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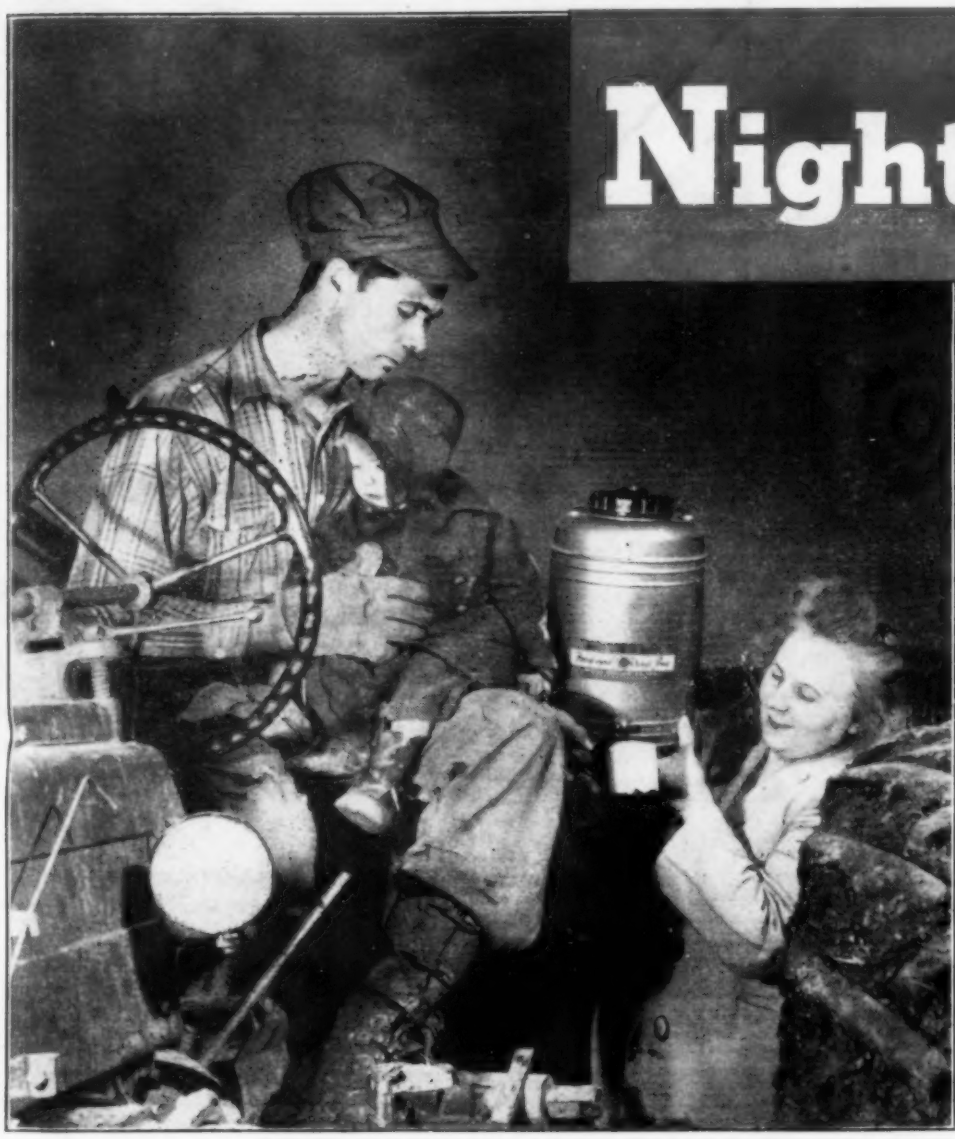
WALLACES' FARMER AND Iowa Homestead

Good Farming *Clear Thinking* *Right Living*



Night Work

FARMING got off to a late start this spring. But the farmers are catching up. Ask anyone who lives in the country.

When you step outdoors at night, tractors are still roaring. And that's the first sound you hear early in the morning. Tractor headlights stab the darkness till 10, 11 or midnight. And they're going again at dawn.

Modern power makes up for a late start. Machines don't get tired. But you do. After 16 hours on a tractor, you're weary, hungry and thirsty.

Then a short rest, a lunch and hot coffee seem worth their weight in gold. And so does the wife who brought the lunch. She's been working overtime, too — cooking, doing chores, tending chickens, making garden. More pictures of "overtime" farming are on page 9.

Picture at left was taken after sundown. Little Leslie Clampitt enjoys a trip to the field with Mother. They brought a lunch and hot coffee to Dean Clampitt, Hardin county, Iowa.

Takes Nerve To Kill Weeds . . . Page 5

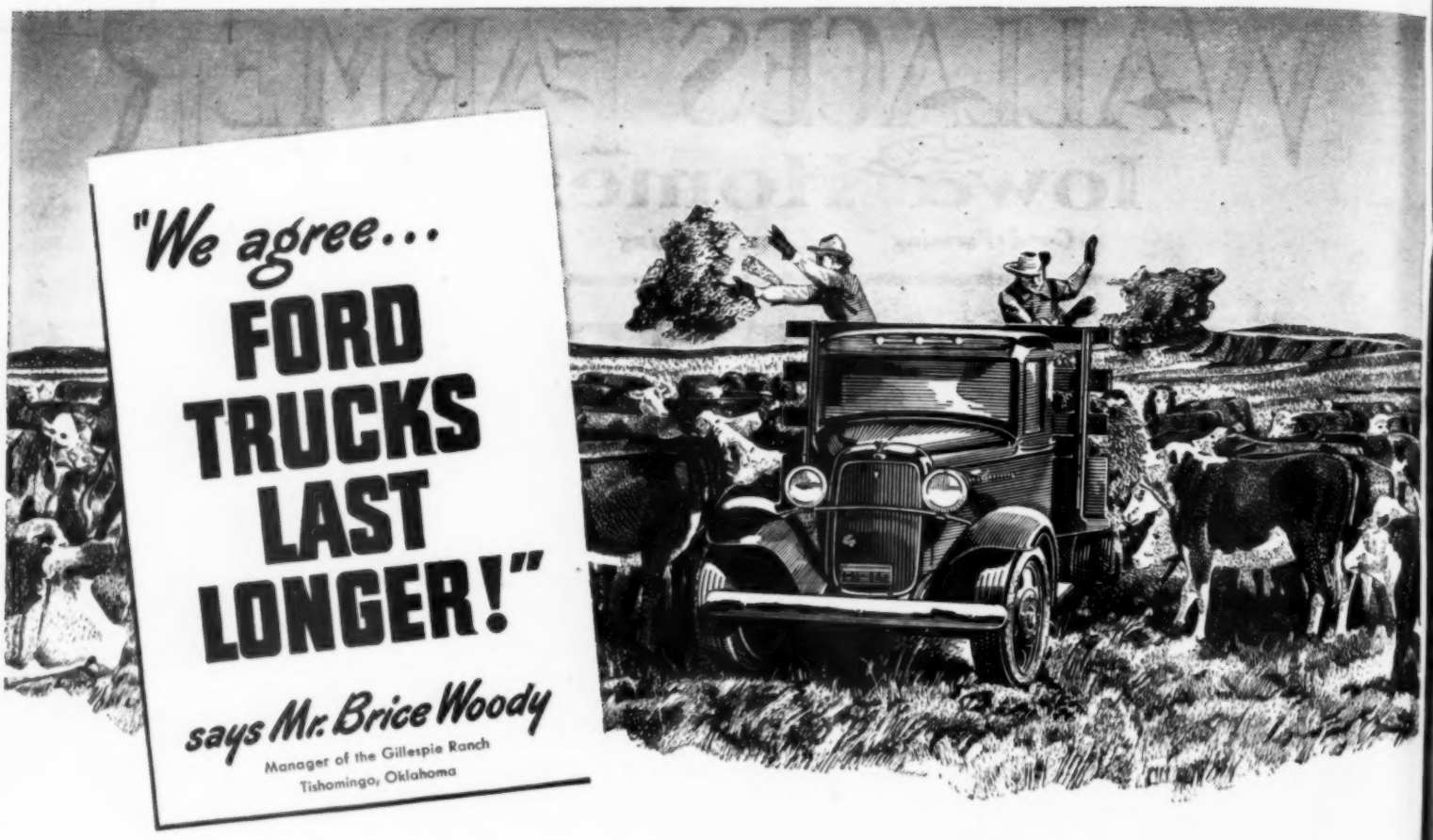
Dead Flies Are Good Flies . . . Page 8

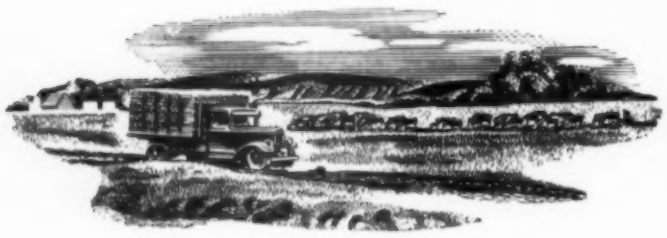
What Did Legislature Do? . . . . Page 22

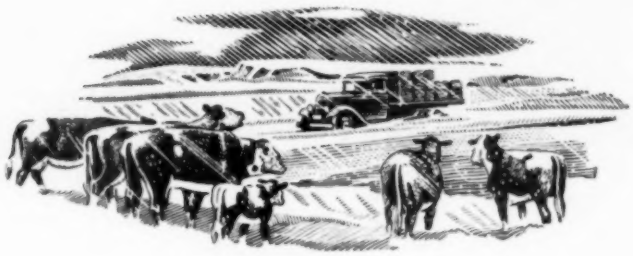
Mother Wears Dad's Pants . . . Page 30

MAY 17, 1947

IOWA'S LEADING FARM NEWSPAPER







"Cattle ranching is tough going for a truck—but our 1934 Ford is still doing its job in fine shape. This truck covers a beat of 10,000 acres, so you can be sure it's kept mighty busy hauling ensilage to 1,500 cattle over really rough terrain, largely off-the-road travel. It's also used to haul supplies from town.

"Through summer heat and winter blizzards we keep this truck on the go. It gets the feed to our animals the year 'round, no matter how bad the weather may be or where the stock may be grazing. We haven't had a bit of trouble with it. It's always ready to go. We're mighty glad that, with conditions the way they are, Ford Trucks Last Longer."

REGISTRATIONS SHOW IT, TOO!

Latest 1946 registration figures show that Ford Trucks last **longer than any of the other four sales leaders. These figures** show the average age of *all* Ford Trucks in use today is more than 9 years...and that 78.4% of all 1936 Model Ford Trucks in use 9 years ago are still on the job. That's up to 15.8% better than the records of the next 4 sales leaders!

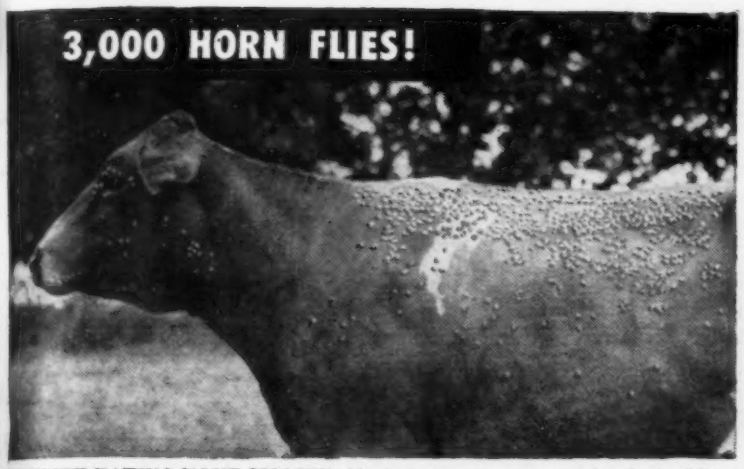
Only Ford Gives You All These Long-Life Features!

Your own pick of power—the rugged V-8 or the brilliant SIX • axle shafts free of weight-load—¾-floating in light duty units, full-floating in all others • new Flight-light 4-ring, oil-saving pistons • semi-centrifugal clutch • rolling-action, low-friction steering . . . *more than fifty* such endurance features to make your Ford Truck Last Longer. See your Ford Dealer now!

Ford

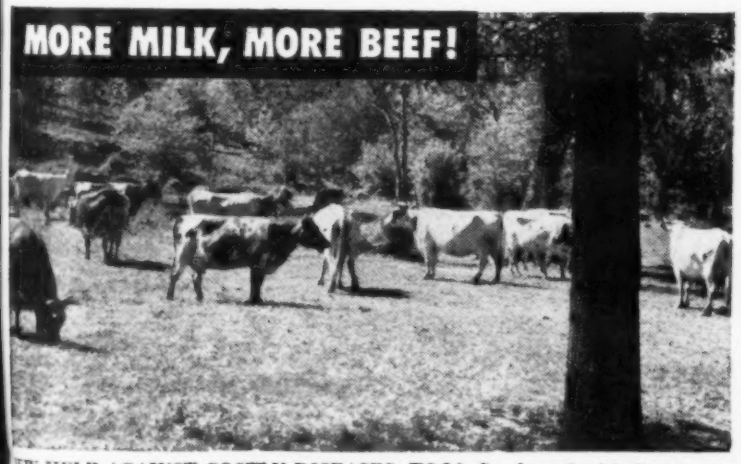
MORE FORD TRUCKS IN USE TODAY THAN ANY OTHER MAKE!

WALLACES' FARMER AND IOWA HOMESTEAD. May 17, 1947 (Volume 72, No. 10). Published first and third Saturdays of each month, by the James M. Pierce Corporation, Des Moines, Iowa. Subscription price, two years for One Dollar. Entered as second-class matter October 19, 1929, at the post office in Des Moines, Iowa, under the act of March 3, 1879. Copyright, 1947, by the James M. Pierce Corporation.



THEY'RE EATING YOUR MONEY! You've seen many a cow that looked like this — did you ever realize how *many* flies were literally eating her alive? It's common to find up to 3,000 biting, bloodsucking horn flies on just *one* cow, say insect authorities! No wonder milk yield may suffer, and beef gain is slowed in "fly months"! (On bulls, several authorities estimate up to 20,000 flies per animal in bad fly years.)

NO WONDER BEEF GAIN, MILK PRODUCTION SHOOTS UP! Yes — often it's barely an hour, after you sponge or spray a cow with Cook's 20% DDT Emulsion, till there are only two or three flies where 5,000 swarmed before! Tests, repeated many times, show you may get one to three quarts added milk yield per cow daily, and increase beef gain 50 to 60 pounds per steer per season — just by freeing stock from flies!



NEW HELP AGAINST COSTLY DISEASES, TOO! See how Cook's Emulsion-sprayed animals spread out and eat! No need to bunch together for protection against flies. They eat better; they don't waste energy fighting insects. That good pasture grass goes to milk and meat! Meantime, spraying barns also kills stable flies and certain other insects, which may carry both human and animal diseases. Here's a bonus in disease-protection.

SIMPLY SPONGE or spray your livestock 4 times a season with a solution of 1 gal. Cook's Emulsion in 80 gal. water!

DIP OR SPRAY STEERS. Use 1 gallon Cook's 20% DDT Emulsion to 80 gal. water. Steer should be completely immersed.

SPRAY BARN TWICE a season to kill stable flies and house flies. Also kills horn flies, plus certain other insects.

Astonishing!—HOW MUCH MONEY COOK'S 20% DDT EMULSION Can Pay In Added Milk, Beef Production

On Gentle Cows and calves, a bucket and sponge is all you need to apply Cook's 20% DDT Emulsion! Or, use a hand sprayer.

If You Dip, Cook's Emulsion has a big advantage: it won't settle out! All animals get equal protection!

Spraying Barns not only stops stable flies but kills certain disease-spreading insects.

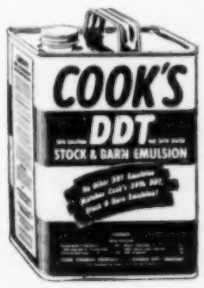
Stops Horn Flies, Stable Flies, Ticks From ROBBING YOU!

Beef Gains Up!—Over 50 Lbs. Per Steer! Milk Yield Jumps 1 to 3 Quarts Per Cow Per Day!

Yes! — It costs less than 3c per head, to spray animals with Cook's 20% DDT Emulsion. You spray 4 times a season—which means about 12c a head for a whole season's protection. BUT LOOK AT THE RETURN! If you get only one more quart of milk per cow daily, through fly season, you've made about $12 more off her, at present milk prices! And if stopping fly ravages gets you only 50 pounds of extra beef per steer (some reports estimate much higher gains!)—you've made $8 to $11 more on your beef animals!

NO COSTLY EQUIPMENT NEEDED! — Unless you've got a big herd, you don't need a high-priced spray rig, using Cook's Emulsion! It stays in solution — won't settle out for days. On small herds, you can use a sponge or simple hand spray; Cook's Emulsion makes a uniform DDT coating that turns each hair on animal's back into a poison trap for flies.

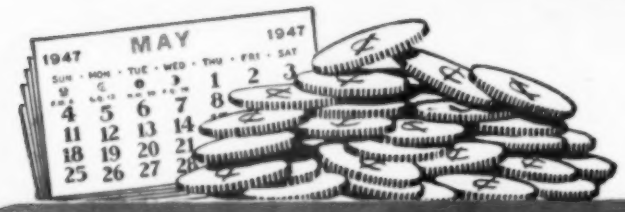
Cook Makes Both Emulsion and Wettable Powder. So, we can be impartial as to which DDT preparation to recommend. We say: "Use emulsion! — it stays in solution, gives more uniform fly-protection, needs no costly equipment, and is most practical, especially for the average general farmer." Actually, Cook was a year ahead of the field in recognizing the trend to emulsion — the **practical** way to give your stock real, profitable defense against flies.



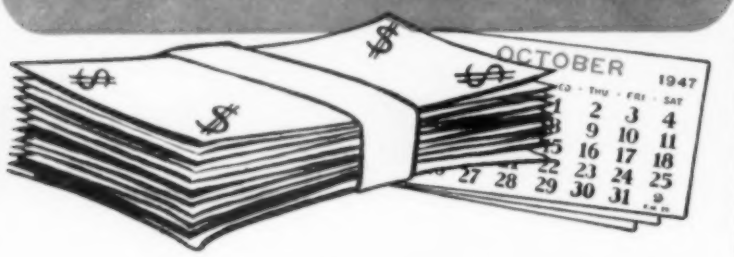
Send for Valuable Free Report. Makes it easy to get top value and fly-protection out of DDT. Simple, clear, easy to do — written with real authority. Shows how you may give your animals fly-protection for a whole summer, with minimum time, effort and cost on your part. Address Chief Chemist, Cook Chemical Company, 2020D Wyandotte Street, Kansas City, Mo.

COOK CHEMICAL COMPANY, 2020D Wyandotte St., Kansas City, Mo.

COOK'S 20% DDT EMULSION



MAY Dimes Make OCTOBER Dollars



How Your Spring Feeding Program Affects Your Fall Pocketbook . . . .

THIS is the month when your young animals and poultry build the PROFIT foundation that pays off next fall and winter.

They build that foundation from what they EAT. Poor rations . . . a poor body. Good rations . . . a rugged foundation that will really pay off.

Grains Alone Are Not Enough

For that building job, in addition to grain, their bodies need:

1. PROTEINS . . . To make strong muscles, nerves, blood, strength. Not just one type of proteins, but a BLEND of animal and vegetable proteins is needed to provide a better balance of the necessary amino acids and do a complete job.

2. MINERALS . . . To build big bones, sturdy frames, and to reinforce the other feeds to help make a healthy body and a rich blood stream.

3. VITAMINS . . . For better livability, vitality, fast development. And remember, without these vitamins some of the key minerals cannot be absorbed and put to work in the body.

Does it pay? Tests show that pigs get to market 60 days earlier, on one-third less feed, when they get complete, balanced rations. Pullets start laying in September instead of December. Young fryers hit the early market, on considerably less feed.

Feed those young bodies the best, balanced rations you can give them . . . and they will return it to you many times over next fall. Consult your local feed dealer. He will gladly help with practical suggestions.

FEED INSTITUTE OF IOWA
830 Liberty Bldg. DES MOINES

"No More pencils, no more books . . ." As with school children everywhere, the coming of summer vacation was a joyous occasion for the students at West Eden School, Decatur county, Iowa.

INSIDE STUFF

"I TALKED to a farmer whose wife and children (one of them seven years old) were hanged because he fought with the Partisans, and to nurses whose hospitals were soaked with gasoline and burned with the patients screaming in their beds. . . .

▲ ▲

"IF THESE people view the world with a certain nervous mistrust, we may think it regrettable, but we shouldn't be surprised."

▲ ▲

THIS IS WHAT John Fischer reports in "Why They Behave Like Russians." Fischer worked for UNRRA in Russia, and has some hunches about why Americans find Russians hard to deal with.

▲ ▲

EVERY TIME I talk to anybody who has come back from Europe, I am more worried about the next year or two. It is hard to rebuild a devastated world, on rations about half those of Americans.

▲ ▲

"ANYWAY, a lot of that $400,000,000 loan to Greece and Turkey will go for food," I said to one expert. "That will help in building real peace."

▲ ▲

"NOT A CENT for food," he objected. "That's what I hear, anyway. They expect to get Greece's food help out of the other appropriation for general relief. This Greek-Turkish loan is for other things."

▲ ▲

HOW DO YOU help people on the farm to live better? Will Alexander, former head of the FSA, made this suggestion the other day:

▲ ▲

"DOWN SOUTH, we talked a lot of folks into putting a fence around the garden for the first time. Kept the chickens out, and the family for once had a good garden."

UP HERE, we're inclined to put the fence around the chickens instead of around the garden. But the idea is the same. It's hard to have chickens running around and have a garden or a lawn or flowers or a clean porch.

▲ ▲

I USED TO WONDER whether we could sell another big wheat crop. But not now. Folks are still hungry all over the world, and some have money.

▲ ▲

OUR WHEAT will move overseas in big quantities for another year. Corn won't go into export much, but a little will. And corn will replace some of the wheat at home.

▲ ▲

I STILL THINK that the price of corn next fall could be down to loan levels, if we have a normal season. But the big wheat demand abroad may help corn prices a little.

▲ ▲

IRVING FISHER died the other day. Farmers should remember him as a man who did much to blast out of people's minds the notion that there was anything sacred about the gold standard in money. He did a lot of good.

▲ ▲

LIKE MOST FOLKS, we got our garden in late at our place. But it seems to be coming along fast now.

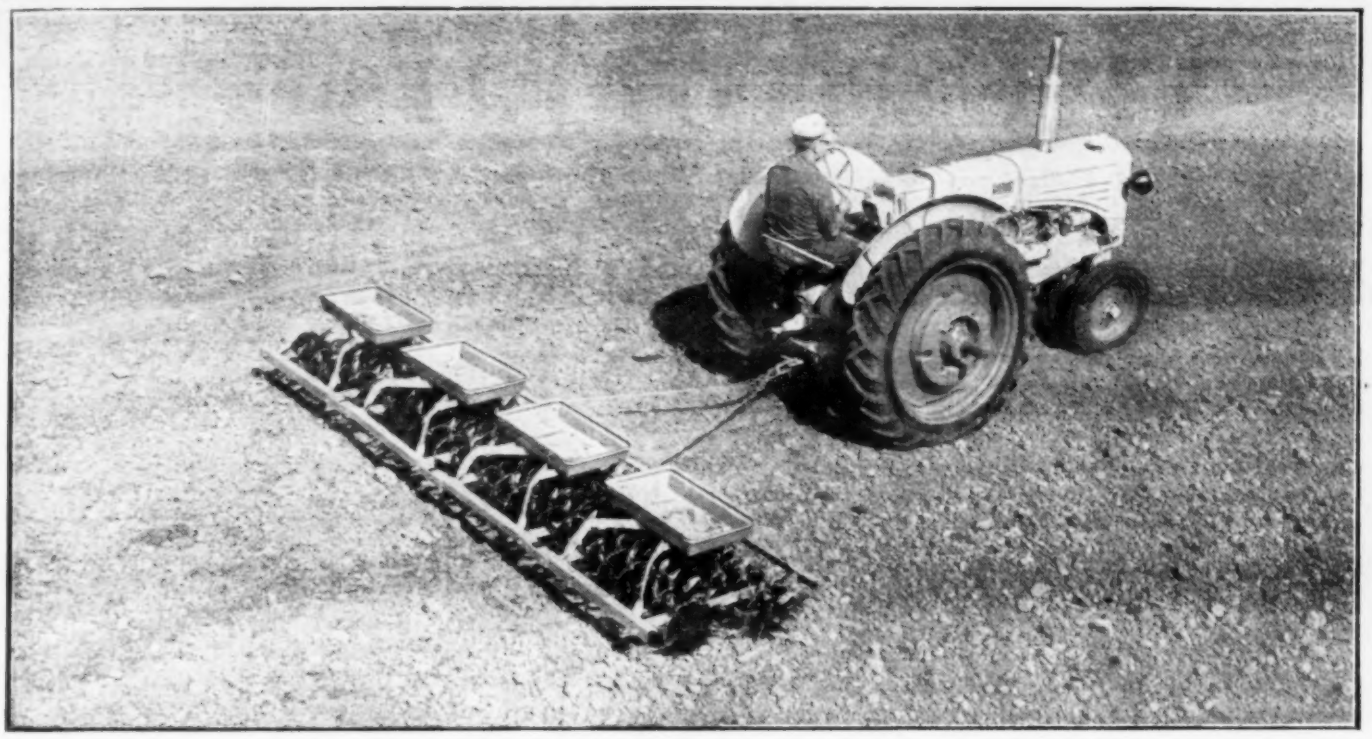
▲ ▲

WE PUT OUT more strawberries, and should be putting out more asparagus. We never seem to have enough of either to satisfy spring appetites.

▲ ▲

LAST YEAR, I planted sweet corn in late April, but this year it went in late, too. What a lot of good eating you can get off a sweet corn patch by planting every two weeks from May to the Fourth of July.

DONALD R. MURPHY.



Weeds Won't Wait--Hit 'Em Now

Between Planting And First Cultivation Is The Time To Murder Weeds

SOME farmers are so afraid of hurting the stand of corn that they let the weeds get away from them.

It takes nerve to harrow corn both ways just as it is spiking thru the ground. It takes still more nerve to harrow corn twice after it is three or four inches high.

Maybe you can't bear to see the rotary hoe digging at the roots of the corn. Some are so afraid to throw dirt into the corn rows at the first cultivation that a green strip of weeds is left right in the row.

But all corn growers admit that if you don't get the weeds in row crops by the time the first cultivation is done, your fields will be weedy all summer.

How do you kill weeds in corn and beans without hurting the stand? Farmers have different methods.

The spike-tooth harrow is the stand-by for killing weeds in corn. Many growers plan to harrow fields once or twice, about a week after planting.

The plan works good if the weather is right. When the soil is fairly loose and dry on top, the grassy weeds will be killed.

Precautions to protect the stand are: Keep tractor wheels off rows; keep off fields when they are wet and sticky on top; don't harrow fields that are dry and covered with egg-size clods.

Corn can't be harrowed just as it is unrolling without risk of great damage to the stand. But after the leaves are out, some farmers harrow corn.

"I'd rather harrow corn after it comes up, because you can see what you're doing," said one corn grower. He describes his method this way:

"When the corn is about three inches high, I take the harrow to the field and harrow one round. Then I stop the tractor and count the corn stalks in one row across the field, or maybe in 100 hills. If there's enough corn left, I get on the tractor and drive without looking back."

This farmer's method takes the guesswork out of the damage being done to the stand. The same method of counting the stalks left can be used if a spring-tooth weeder or a rotary hoe is the weed killer.

A rotary hoe or spring-tooth weeder will kill the weeds in corn many times when a harrow is ineffective. They are much preferred after the corn is up.

But you can use cultivator sweeps. Or the early cultivation can be left out altogether. Which way makes the best corn, and in what kind of a season? An Iowa experiment gives some figures on this.

Fields of corn were handled five ways: (1) Spring-tooth weeder twice, (2) rotary hoe twice, (3) spike-tooth harrow twice, (4) sweep cultivator once over, and (5) no early cultivation. All of the fields were cultivated twice after the early treatment.

No one of these methods is best for every year, the experiment shows. Results can be summarized for the corn grower's use as follows:

If there is normal rainfall after the corn comes up and the top of the ground is crusted only lightly, use the harrow, rotary hoe or spring-tooth weeder twice. It may mean as much as six bushels more corn per acre compared with no early cultivation.

Of these methods, the spring-tooth harrow may have a slight edge over the rotary hoe. But the difference is too small to be sure that it is significant.

The harrow does just as well as weeders in some years. But in other years the damage to the stand is enough to make some yield difference.

There is something to support a farmer's fear of ruining stands with a harrow, particularly where fields have trash on top. This refers to harrowing after corn is up.

When the top of the ground is packed hard by heavy rains, you had just as well not use the weeders and the harrow. That is the time to go in early with the cultivator equipped with sweeps.

In 1935, the soil was crusted and hard-packed by May and June rains. Early cultivated corn using sweeps produced as much as 11 bushels more per acre than corn getting no early treatment. Cultivated corn outyielded the harrow and weeder treated fields by five bushels per acre.

So, for most corn growers, the method of early cultivation will depend upon the weather and, of course, the kind of machinery the farmer has.

If you have no rotary hoe or weeder, and decide to use the cultivator and the sweeps, there are a few points good corn raisers keep in mind.

It's now or never for weeds right in the row. Set shovels and shields to put enough dirt in the row to smother the little weeds.

Trimming the corn roots by running shovels close and deep is always bad. Still it might be better to cut a few corn roots while the corn is small than to leave weed roots to compete with corn all summer.

But with modern tractors and cultivators, you may not have to choose between trimming corn roots or leaving the weeds in the row. A little more speed will throw dirt into the row even if shovels are run shallow and not too close to corn.

A half-day spent in getting the cultivator set to do a good job is not wasted.

First Attack On Weeds In Corn

Some harrow before the corn is up; some use the rotary hoe or weeder; some depend on early cultivation with sweeps.

Do you have any method of killing the weeds that get by the first corn cultivation? Other corn growers would be glad to know about it.

Editorials

Do You Have 60-Bushel Sod Land?

WHAT kind of sod land are you putting in corn this year? Is it 60-bushel sod or 100-bushel sod?

"Isn't it time we talk about the quality of sod?" asks Maurice E. Heath, with the Soil Conservation Service, stationed at Iowa State College. He would like to see sod quality expressed in terms of first-year corn yields and soil fertility.

Farmers talk about clover sod, alfalfa sod, blue grass and brome sod. Are they all true sods? Is there a difference?

Some sods may have 16,000 pounds of roots per acre in the plow layer. Other sods may have only 2,000 pounds of roots per acre down to the plow depth, says Heath.

Legumes alone don't make a real sod. They don't "fill the soil with grass roots," as sod is defined in the dictionary. Every farmer who has plowed grass land knows it well.

But legumes and grass together make the very best sod. They fill the soil with roots. The grass roots fill the surface and the legume roots go deep.

It takes two years in grass to make a good sod with both grasses and legumes. But these good sods make the soil easy to work. The supply of organic matter is increased. Such good sods make the soil capable of holding more water and more nitrogen.

Maybe more farmers should be trying to secure 100-bushel sods. They are within the reach of nearly every farmer, says Heath.

HOW DO YOU FIGURE THIS ONE OUT?

Uncle Sam looks worried in the cartoon above from the Los Angeles Times. How do you cut taxes and also manage to reduce the debt?

How do you send arms to Greece and Turkey and still have funds to send food around the world? How do you make a big cut in government expenses and still try to hang on to a lot of government services?

If there is anyone who knows all the answers, he should get in touch with congress at once.

So Bricks Won't Smash Windows

SOME queer things could happen to wheat this summer. The price might shoot sky-high. Some countries might buy up every bushel in sight. Other countries might starve and break into revolution.

Some farmer with wheat to sell may ask: "Well, why not let 'er go sky-high? Boy, what I could do with $4 wheat!"

Maybe he couldn't move the wheat. Maybe he couldn't collect the high price—if it came. Boxcars are short.

Of course, the wheat crash, when the market finally broke, would be a humdinger. It may be pretty good, anyway.

What we're saying is that a lot turns on what congress does on export-import controls. These controls run out June 30.

If the controls are renewed, then the government can apportion so much wheat to this country, so much wheat to that. The allocation can be made in terms of how hungry they are, not how much cash they'll put up.

What good does that do us? Quite a lot. Most countries are on the edge of starvation. If they don't get a little help—what the United States sells is only a small part of their total needs—revolution and uproar may break out.

That could start another war. We're buying peace and quiet with wheat shipments.

If import controls end, the United States will suck in a lot of the fats and oils floating around the world. More folks will go hungry. And in our country, the price of lard, soybeans, butter, etc., will drop as these foreign oils come in.

But here, too, the main argument is that unless the fats and oils supplies are distributed fairly on a basis of need, a lot of hungry people will throw bricks thru store windows. Machine guns will rattle in the streets. There will be blood instead of water in the gutters.

What's it worth to the United States to live in a peaceful world? Is it worth continuing export-import controls for another year? Is it worth lending and giving some hundreds of millions in food next year?

If you think peace is worth anything you'll want congress to continue export-import controls for another year.

If Your Boy Joins Army

WORLD WAR II is over, but World War III is coming. Or is it? Anyway, the administration and the army want compulsory military training.

That means every boy would spend a year in military service. The plan is to build up a big reserve of partially trained men. These could be whipped into shape in a hurry if and when the next war comes.

Some military men think this plan is out of date. The compulsory training plan was drawn up before the atomic bomb fell on Hiroshima.

Will a big, mass army do any good in a war fought with atomic bombs, with jet-propelled planes, with guided missiles, with radio-active particles, and with disease germs?

It might be that highly trained and small groups of professionals, many of them in the air service, would send these new weapons home to the target.

WHAT do Iowa farm people think about compulsory military training? Last fall, national polls showed a strong vote for such training.

But on Iowa farms this spring, the answer is different.

The Wallace-Homestead Poll asked: "Should congress pass a law to require every physically fit young man who has not served in the armed forces to take military or naval training for one year?"

The Iowa farm vote came out in this way:

Yes—for training	31 per cent
No—against	52 per cent
Undecided	17 per cent

IN THE Wallace-Homestead Poll, old and young voted about the same way. Folks under 30, some of whom would be affected, voted much as did folks over 50 years.

Republicans disliked military training a little more than Democrats, but both had a big margin on the "No" side.

Dewey voters of 1944 were 26 per cent for and 57 per cent against. Roosevelt voters of 1944 were 32 per cent for and 50 per cent against.

Farm concern over the Greek and Turkish loans may be reflected in the vote. Some farm people fear these loans may put our military frontier on the Dardanelles and in the mountains of Macedonia.

FARMERS may feel that we must be prepared for possible war. But, apparently, they're not sure military training would help much in World War III.

Corn May Pile Up In Cribs Again

WHAT would happen if the corn loan late next winter were around $1.25 and hog prices fell to $16 per hundred?

How many farmers would seal corn and cut down on hogs? With corn stocks at high levels already, what would this do to corn supplies?

Some folks wonder if that 90 per cent loan figure isn't too high. Won't it build up an overflowing granary?

Maybe the corn loan figure should be announced a year in advance. If corn supplies are heavy, cut the loan figure. If supplies are low, raise the loan.

Forward pricing, hooked up with corn loans, could be more useful than a corn loan based on a fixed per cent of parity.

Should We Send Guns Or Bread?

SOME members of congress voted for the 350-million-dollar appropriation for relief abroad and against the 400-million-dollar loan to Greece and Turkey. Were they going in two directions at once? Or were they acting sensibly?

Let's see. The 350-million-dollar proposal was for relief in the form of food, clothing and medical supplies for needy nations. Compared with the total need, the amount is small. But, applied in critical areas, it can help get things started again overseas.

The 400-million-dollar loan to Greece and Turkey is primarily a military loan. The 100 million dollars to Turkey is entirely for arms. The 300 million dollars for Greece has some industrial equipment in it, but little or no food. Most will probably go for guns, tanks and ammunition.

A congressman who thinks Europe needs food worse than guns and tanks might very sensibly vote for the 350 million appropriation for relief and against the 400-million Greek and Turkish loan.

This is a distinction farmers should also make. Some kinds of loans abroad work for peace. Some don't. Don't oppose or support foreign loans until you see what they're to be spent for.

Keep Your Shirt On With Land

IN THE 1919 land boom, a lot of folks kept their senses until just before the crash. Then, a few months before land prices dropped, they decided that farm land never would decline again, and bought.

We hope that subscribers of Wallaces' Farmer and Iowa Homestead don't do that this time.

Keep your shirt on! Don't buy now! Wait it out!

Put your money in U. S. Savings Bonds and wait for the land market to get back to normal.

Odds *and* Ends

PUSH the pullets along. They'll make you money this fall if they start laying early.

EARLY pigs suffered in a wet and cold spring. Farmers who managed to raise early pigs, and who push them to market next fall, should do well.

OAT acreage is down in many sections, but that doesn't mean oat prices will be up in July. If corn comes on well, there will be a lot of feed in sight by that time.

RANGES are full of cattle again. A dry year or a drop in price would start a flood of range stuff to market.

IF THE spring is wet, the summer does not usually run into a drouth. But a wet spring can precede a cold, wet summer. There's always something——

IOWA now has 150,687 farms hooked up to electric lines. That's 72 per cent of the farms in the state. In 1940, 86,000 farms had electricity.

GREAT BRITAIN is planning to buy more eggs from Poland. That may make a difference in egg prices in the United States later on.

CONDENSED milk and dried milk got a boost in Chicago during the one-day milk strike. Either makes a good whole-milk substitute in cooking. But they're hard to drink.

CONSUMERS' buying power continues to shrink. So do savings. These are the facts that influence folks who look for some kind of a recession this fall.

CORN stocks are 26 per cent higher this spring than a year ago, and higher than any year in history except the spring of 1943. That's a lot of corn!

IN SPITE of pig losses, official guesses are that the spring pig crop this year will be considerably larger than last year, and one of the biggest spring pig crops in history.

PARITY for hogs is now $16.70 per hundred. At 90 per cent of that, the support price would be $15. Support prices expire in December, 1948.

DRY whole milk and non-fat dry milk solids (dried skim-milk) are being fed to poorly nourished children with good results. Dr. Tom Spies, famous for food experiments, is conducting the test in Alabama.

LARD prices have gone down and have pulled heavy hogs with them. But heavy hogs are still paying a very good price for corn.

NOT enough farmers carry life insurance. Even in a prosperous and progressive state such as Iowa, around 18 per cent don't have any.

EXPORTS of copra (the coconut cow) from the Philippines are increasing fast. While the world is still short of fats and oils, this booming copra production will make some difference in prices.

THERE are two per cent fewer cows on farms this spring, but they're producing three per cent more milk than a year ago.

CITRUS fruit farms are in for a tough time. Army, navy and lend-lease took a lot of juice during the war. Civilians are drinking plenty, but not that much.

BEST plug for "Dairy Month" is a good product. Poor cheese can ruin the effect of lots of smart cheese advertising. And low-grade butter can send a consumer back to oleo.

"IN TIMES of great inflationary pressures, taxes should not be reduced. Any surplus which the treasury can secure should be applied to reduction of the federal debt."—President Truman.

DID you notice that the American Veterans Committee had this farm plank: "In consideration of farmers' full production programs, we favor direct income payments to agriculture when necessary in preference to support of market prices which injure the consumer."

FIGHT to exempt the Central Valley (California) irrigation project from the 160-acre limitation still goes on. There's another bill to this effect in congress. But land-owners hate to split up farms even when Uncle Sam comes in to add water at government expense.

Song of the Lazy Farmer

I DON'T see how there's any way to beat the last two weeks in May; this time of year tops all the rest, the weather now is always best, the birds all sing, the sun is bright, and there's a cool breeze ev'ry night. Mirandy's got the planting done and just a few weeds have begun to grow so they're no problem yet, about them I don't have to fret. The pasture's growin' fast enough that cows don't need no other stuff; the pigs will get along somehow without me feedin' ev'ry sow, and milkin' never bothers me, 'cause that's a woman's job, by gee.

So I can stay in bed 'til late to build my health and put on weight, then wander down beside the crick to make sure fish don't get too thick, or tramp across to neighbor's place and watch that poor old feller race his tractor up and down the rows to kill each weed before it grows. Or maybe take a tour around to find a nice soft spot of ground where I can catch a wink or two before the afternoon is thru. Yes, May has been the best for me since back in nineteen hundred three; that year it ended much too soon, my wife and me were wed in June.

Don't Expect DDT to do all the work. Keep manure hauled so the flies won't have a place to breed, says Ervin Wilken, of Jones county, Iowa. His son, Merlyn, four years old, is shown here.

Tractor-Powered pressure spray tank was built originally to spray the weeds by these farmers of Clinton county, Iowa — Alfred Andresen at left and B. R. Cornish at right.

Zero Hour

Farmers Have Weapons Ready For Annual War Against Flies

"I wouldn't any more think of doing without DDT than I would of doing without a manure spreader."

That's the opinion expressed by E. J. Hartvigsen, of Jackson county, Iowa. He used DDT on his buildings and cows last year, starting about June 1. His buildings were free of flies until just before frost.

"When you spray cattle, be sure to get it all over them, on their bellies, legs and heels," he advises.

"With a lot of livestock, it doesn't take flies very long to chase off $500 in meat or milk. The small cost of DDT is soon repaid," Hartvigsen said.

His approval of the use of DDT is typical. One reason for the state-wide acceptance of the Iowa fly control program this spring is the enthusiasm of farmers who used DDT last year.

Any Ticks? Dean Bowman, Jackson county, Iowa, inspects a lamb for ticks. He will use DDT to dip the lambs.

Let's visit with a few of the farmers who have used DDT. Karl Nolting, of Jackson county, Iowa, sprayed his barn, cows, hog house and feeding floor.

"When we sprayed, the feeding floor and the slop barrels were black with flies. After the spraying was over, we didn't see any. The gain on the hogs more than paid for all the DDT. The extra milk, and the extra pleasure of not having flies, were free," Nolting said.

"We didn't spray the house, but there were no flies. I guess they got killed out at the buildings before they got to the house," he added.

Farm women also like DDT for controlling flies.

Mrs. Ferd Schmidt, Clinton county, Iowa, says that they sprayed around the doors. Flies used to be very bad around the sunny, sheltered back entrance. But there weren't any after spraying.

And Schmidt didn't have to fight flies around the lots where he was feeding the Angus show cattle, which later won in the car-lot steer classes at the International.

W. H. Walderbach, of Jones county, Iowa, not only liked the way DDT kept flies out of his barn. He appreciated the absence of cobwebs.

"Ordinarily, the barn gets covered with cobwebs," he said a few days ago. "But I think the DDT is still working, for there are no cobwebs where we sprayed. I wouldn't be without it."

The sheep man can use DDT to advantage, too—especially for ticks, according to O. J. Bowman and son, Dean, of Jackson county, Iowa.

"Just pick a nice, warm day. Then dip the lambs in a one-half of one per cent DDT solution. That really gets the sheep ticks," says Dean. "It also help control flies and maggots," he says.

"And the dairy cows gave more milk, we're sure," Dean added.

What about the various DDT preparations? DDT is potent and not to be tampered with. Follow directions on the container of any DDT you use. Or get advice from your fly control program leaders.

Here is what federal entomologists say about various kinds of DDT. They start with dusts. Dusts are valuable for lice control in cattle and hogs. You can dust when it's too cold to spray. Dusts are good around the house for control of insects.

Wettable DDT powders, mixed with water, are used as sprays for both buildings and livestock. This form was the most widely used on livestock by the first farmers who tried DDT.

When using wettable powder spray, be sure to see that the spray is kept well stirred. If the DDT is allowed to settle, you'll be spraying water on the first animals and a concentrated DDT solution on the last ones.

There are oil emulsion concentrates which contain DDT in solution in a solvent that will mix with water. At first, entomologists did not recommend them for livestock use.

Tests have shown, however, that oil emulsions, properly used, are not dangerous to stock, and in some cases are most effective. But a word of caution: Buy a good brand—one that will not break down when mixed with water.

If the solution breaks down and the DDT floats to the top or sinks down to the bottom, you will get the same results as when wettable powder sprays settle.

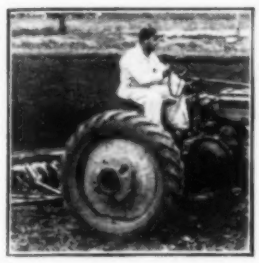
Check with your milk inspector before you spray the milk room. He may require an emulsion type spray. Emulsions are good in homes or stores, as they do not leave a visible film on the walls.

Besides the dusts, wettable powders and emulsions, there are oil sprays. Usually kerosene or some other light oil is the DDT carrier. The oil sprays are not recommended for use on livestock.

DDT, with or without other killing agents, also comes in the form of areosols or "bombs" designed to produce a fine fog in a room. These are widely used for temporary control or relief from insects.

Working After Dark Walter Stevenson drives tractor while his father Julius rides disk in Marshall county, Iowa. Walter farms 120 acres and helps out on 240 acres more.

"It's Too Wet to Plow, but it's past plowing time," says Ray Oetting, of Muscatine county, Iowa. He was glad to get this new tractor with lights so he can work after dark.



They Race With Weather

Farmers Put In Long Hours On Good Days

EVEN in good weather, farming is like an assembly line running full blast. But in wet weather you have to shut down. Days march by, corn planting dates get closer. When it dries off, you can't lengthen your assembly line or put on more men.

So you work longer and longer hours until you're on top of the job again. Pictures on this page show farmers doing just that.

They could have been taken in any corn belt county. The men in them are typical of farmers working hard to get the corn in on time. Some of the shots were taken at night, some in the evening.

"Keep 'Em Rolling" might well have been the farmers' slogan. For they kept their tractors rolling, all day and far into the night.

All farmers, everywhere, should remember accidents are most apt to strike when you're working overtime. Fatigue slows your reactions, brings on carelessness. So be extra careful!

Barrel on Truck saves taking tractors to house for fuel. George Ohlen and Wesley Andes, Linn county, Iowa, change off for meals and at chore time in order to keep one tractor going. Andes is shown above.

Andes Eats Supper In background, Ohlen plows. He's pulling five 14-inch bottoms. The other tractor is idle until Andes finishes eating. By working after dark, men plow 50 acres per day.

Father and Son on 360 acres in Tama county, Iowa, keep tractor going till midnight. Thorval Thompson gets off as son Art comes back after a lunch.

Chinese Farmer Has Troubles

Plagued by Shortages of Labor, Machinery, Fertilizer; Too Many Insects and Bandits

H. E. Skott, a former Jackson county, Iowa, farm boy, is now with UNRRA in Mukden, Manchuria. He is engaged in agricultural work. His letters home give some insight into the lives and problems of Chinese farmers there. The story of his visit to one farm presents a rather typical picture of the problems and attitude of Chinese farmers in that section of Manchuria.

RECENTLY, I had the pleasure of interviewing a Chinese farmer. With the help of an American-educated Chinese interpreter, I had a nice visit with a farmer here.

We stopped at a typical farm village to get directions, and finally found our man, Dee Dzuh Shooey, sowing millet in a small field. This grain millet is a little different than the kind we raise in the midwest. The Chinese grind the seeds for flour.

Dee had six hired men helping him. Two of the men were plowing. The plow bottom was like an overgrown cultivator shovel about 10 inches wide. The plow was homemade and looked crude, but it had a beam and handles like our walking plows.

Such a plow only "roots" thru the ground, and does not close the furrow on the next round.

One man handled the plow. The second man drove the two little Mongolian ponies. Into the furrow just opened, two more men were scattering manure from a wicker basket they carried.

The manure, a mixture of human and animal excreta, had been dried, hauled to the field and put in piles all over the field.

Following the "manure spreaders" came the man who sowed the seed. From a little basket he sprinkled the seed in the furrow. In China, nearly all crops are grown in rows and cultivated.

The last operation was done by a boy who led a pony hitched to a furrow closer. That was a stick, like a short fence post, with another stick nailed on crosswise to form a "T" near one end.

Dee, the seventh man in the crew, did the bossing.

He owned and operated 300 moo (about 50 acres), which was much larger than the average sized farm in that part of Manchuria.

Dee gave me a general description of how times were for farmers in that part of the world. They were a little tough.

He said, frankly, in front of his whole crew of hired men, it was very difficult to get enough hired help, and what help he could get was of poor quality.

The Japanese had drafted many farm laborers to go to northern Manchuria to open up new land. Many others had gone to work in munitions factories, and Dee was doubtful if they would ever return to the farms.

Wages for farm labor, including the high price of their food, were high, Dee said. Counting board, his men were getting 100 yuan a day—about 50 cents.

When Every bit of grain is needed to fight famine, Chinese farmers are beset by locusts. UNRRA has organized farmers to fight the pests. One member of each family has to help. With no insecticides, the battle is carried on in the old way—digging ditches, swatting the insects and burying them in trenches. (I. N. S. photo.)

Farmer Dee feels sure his gross income won't cover his expenses this year.

What about farm machinery?

Dee said the Japs had been so tough with their scrap drives that farmers had sacrificed many a piece of equipment which now would be useful. It really isn't so bad with small tools, such as hoes, that can be made by hand.

Since all the civil war and disorder in the country, a lot of scrap iron has become available—from wrecked trains, bridges and the like.

Blacksmiths there are pretty handy at making small tools from such junk. But with large pieces of equipment the situation is much worse.

Besides, Dee said, he and lots of other Chinese farmers would really like to get more modern equipment.

Well, what did he think of tractors? He said tractors are all right in their place. They might be used here to a limited extent, but for the most part the farms are too small.

Farther north, where the farms are larger, tractors ought to be very useful, Dee thought.

He also thought it might be a good idea if each village like his own could buy a tractor and work it cooperatively.

I expressed doubt. I said I felt no one person would feel responsible for the tractor, and it would soon be damaged thru neglect. Dee assured me that Chinese farmers would see to it that the tractor would get proper care.

Chinese farmers use a huge lot of manure. So I got Dee to talking about the fertilizer situation.

He had used commercial fertilizers — ammonium sulphate and phosphates. He will use them again when he can get them, but they are not available now.

Dee made the observation that, in comparison with manure, these commercial fertilizers caused his soil to dry out too quickly.

He really hated the Japanese agricultural production program. The Japs told him how much of each crop he had to produce, and he produced it. In case of a crop failure, you got your quota from a neighbor if you could—otherwise it probably would cost you your neck.

Chinese farmer shows a handful of the locusts. Soon these will grow wings, fly about devouring crops. (I. N. S. photo.)

They had made him grow too many soybeans and too much cotton. Now he grows only a little cotton for his family's clothes. He thought the soybeans caused his land to wash badly, but said they were better up north where the land was flatter.

By this time, we had gathered an audience, so I decided to leave, but he insisted that we "rest" for a few minutes in his home.

There were 10 in his family. The furniture was pretty good. They had nice pictures on the walls. An electric light fixture hung from the ceiling.

Dee said it was unusual for the farm villages to have electricity. And, anyway, the current had been cut off since the Communists had wrecked the water power plant at Antung.

Of Dee's eight children, four were going to town school (from sixth to twelfth grade), two were going to the village school (up to the sixth grade), the youngest two were not yet in school.

Presently we were served tea by Dee's wife. Then we left.

Out in the yard, we noticed the sheep had already been put in their pen for the night. It would be the height of folly to leave them out all night in this country.

In the dooryard, we watched a donkey going 'round and 'round on a sweep, turning a homemade stone grist mill. Grain sorghum seeds were being ground, and I noticed the flour was surprisingly white.

I couldn't help being impressed with how nearly the opinions and ideas of Chinese Farmer Dee were like those of the American farmer. Like the American farmer, Dee is forthright, frank and outspoken. He expressed his ideas honestly and sincerely, and his deep-brown eyes looked straight at me when he spoke.

And, like the American farmer, his help is scarce and hard to get, his machinery is old, and he can't get new, and there is a scarcity of fertilizer.

Seek Better Nitrogen Fertilizer

A new nitrogen fertilizer may be coming that will solve some of the difficulties of keeping a good supply of nitrogen in the soil.

Nitrogen has a tendency to play hide-and-seek with the farmer. Weather conditions may stop the production of nitrogen in the soil. Thus, a soil that is too dry or a soil that is water-soaked all the time, will make corn turn yellow.

Nitrogen, when produced in the soil, can't be stored there. It is a free agent and will seep away or run down the hillsides with the water.

You must have plant roots ready to use the nitrogen as it is produced.

But now a slow-acting nitrogen fertilizer has been produced by the soil scientists of the U. S. Department of Agriculture.

The new fertilizer is made from urea and formaldehyde, and is called uraform. It is only a laboratory experiment so far. You can't buy it yet.

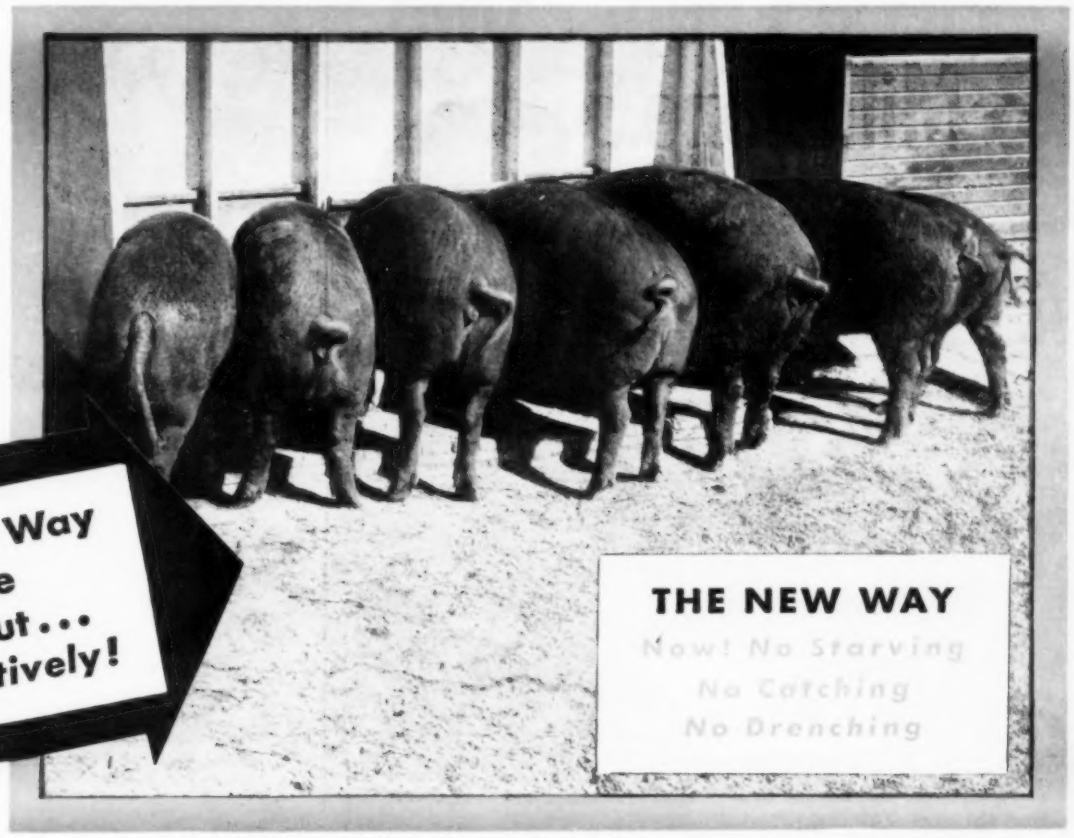
But 50 representatives of the fertilizer industry saw the greenhouse tests at the Beltsville, Md., experiment station.

Sensational Discovery Proves 95% EFFECTIVE on LARGE ROUNDWORMS

New Treatment using Sodium Fluoride, recommended by U. S. Department of Agriculture Scientists, combined with other ingredients is safe, easy to use, inexpensive and amazingly effective for large roundworms

THE OLD WAY

It used to take two men and then was only partly effective



Use this Patented Way to Feed Large Roundworms Out... Safely and Effectively!

Now Moorman Patents Bring You all the Worm-Expelling Values of Sodium Fluoride Plus 3 Other Benefits!

Under the Moorman patent, Sodium Fluoride is scientifically blended with other ingredients to give 3 additional benefits—*greater safety ("cushions the shock" of worming)—greater efficiency—greater ease in using.* (MOORMAN EASY WAY WORM EXPELLER is easy to use—no grinding, no mixing.)

Remember, too, when you use the Moorman method of knocking out large roundworms you do not have to starve your pigs—catch them—dose them—purge them. You simply give them the special feed—*it's so easy on them they usually continue to put on weight during the treatment.*

Scientific feed-lot tests by the Moorman Laboratory prove that the Moorman method expels 95%, or even more, of large roundworms from infested pigs. Almost 18,000,000 pigs—over 200,000 good-sized herds—have been successfully treated this way.

Ask your own local MoorMan Man for either product, or write Moorman Mfg. Co., Quincy, Illinois.

In business since 1885. World's leading Manufacturer of Mineral Supplements and Protein Concentrates.

Now . . . Two Easy Worm Expeller Methods
Choose the one that best fits your own needs

MoorMan's

Easy-Way

U. S. PAT. NO. 2027967

A complete, ready-mixed feed containing Sodium Fluoride and other valuable worm-expelling aids scientifically blended into a full ration. No other feed necessary during 3-day treatment. Comes packed in 50-lb. bags. 100 pounds successfully feeds and worms 33 pigs under 50 lbs. Larger pigs require more.

MoorMan's

E-Z-Ex

U. S. PAT. NO. 2027967

A concentrated powder containing Sodium Fluoride and other valuable worm-expelling aids. E-Z-Ex is designed to be thoroughly mixed with your *own* ground feed. Comes packed in convenient 1½, 3, and 5 lb. cans. 3 lbs. treats 30 pigs under 50 lbs. *Can be shipped by parcel post.*

1500 MoorMan Men have been trained to help you solve your hog worming and mineral feeding problems.

Send Coupon for prices and additional information

"For more than 30 years I've made a better than average living with Moorman's."

WANTED! More Men for full-time Sales Work

E. H. Ammons

Expense-free training course at factory. Great demand for mineral supplements and protein concentrates requires additional men between the ages of 25 and 50 to cover regular territories. Moorman's policy of personalized service, direct-to-farm calls, requires more men than selling through feed stores. No experience necessary to start. Car needed. Sales reach large tonnage. Pay well. Earn while in training. Mr. E. H. Ammons of Lexington, Kentucky, reports he earned a better than average living in the Moorman sales organization for more than 30 years. Promotion plan opens big future for still better positions as supervisors and managers. Work for World's Oldest and Largest Manufacturer of Mineral Feeds. Check coupon for full details. **Mail Coupon Today →**

COUPON! CLIP and MAIL

MOORMAN MFG. CO., QUINCY, ILLINOIS **S-5**

☐ Check here for further information and prices on Moorman's revolutionary new Easy-Way and E-Z-Ex Expeller for Large Roundworms.

Name _____

Address _____

R.F.D. _____ *City* _____ *State* _____

County _____ *Township* _____

☐ Check here if interested in good paying job as MoorMan trained salesman.

☐ Check here if you can recommend someone else for a good-paying job as MoorMan salesman, and write his name and address in the margin below.

Bacteria Count Down... No Milkstone...

when you clean dairy equipment with VEL*

• Vel is one of the great products of the Colgate-Palmolive-Peet Company! Change to this easier, quicker, bacteria-reducing method of cleaning dairy equipment now.

MISS ALICE UNDERLAND, daughter of Mr. and Mrs. Olai Underland, Route 1, Ellendale, Minnesota, helps with the kitchen and dairy chores on her parents' 240-acre farm. The Underlands have used Vel for two years. They produce quality milk and feel that Vel should get much of the credit for keeping the quality high.

• *Vel... a wetting agent recommended by agricultural schools*

Agricultural schools recommend wetting agents for cleaning milking equipment. In test after test, cleaning with a wetting agent has left milking equipment with a lower bacteria count than any other widely used method.

• *Cream and milk production improved*

Vel helps you make money by improving cream and milk production through reduced bacteria counts. Keeps equipment cleaner, free from milkstone; helps reduce repairs.

• *Vel cuts through milk fat...eliminates milkstone and fatty slime*

Milkstone cannot form in separators, milking machines, or other dairy equipment; and milkstone already present is gradually dissolved when you clean with Vel. Vel cuts through milk fat and milk slime in a jiffy ...cuts brushing and scouring time 'way down.

HOW TO CLEAN MILKING MACHINES WITH VEL

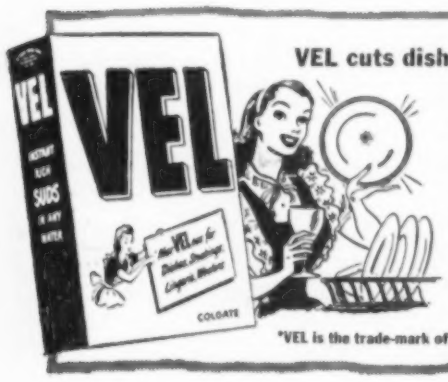
1. Dissolve Vel in a pail full of warm water. Use just enough to get good suds ... (about 2 tablespoons).

2. Suck the entire pailful of Vel solution through unit. At the same time, wash outside of unit with a bottle brush. Shake unit so that all interior surfaces will be cleaned.

3. Remove suction head and sealing rubber. Brush rubber and bucket rim. (It doesn't take much brushing with Vel.) With solution still in milker, brush inside and outside of bucket with a bottle brush.

4. Replace the sealing rubber and suction head, and suck a pailful of boiling water through each unit. Again shake to rinse all surfaces thoroughly.

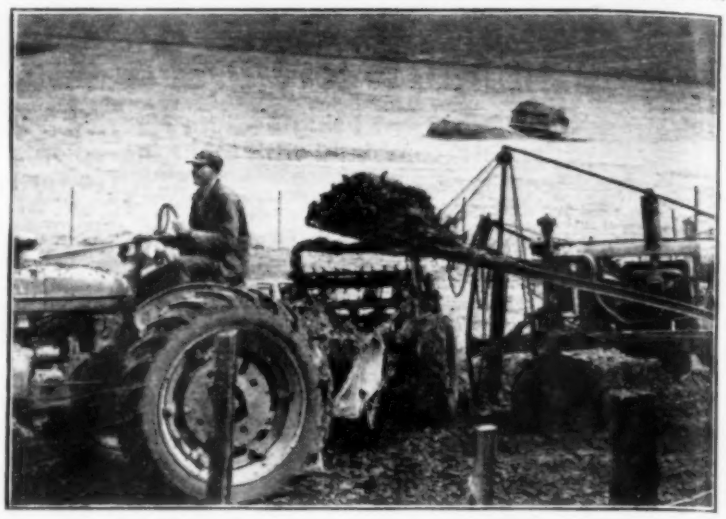
5. Remove rubber parts and arrange so that they will drain and dry.



VEL cuts dishwashing time in half

Dishes, glassware gleam without wiping. No soap scum or streaky film to polish away. No dishpan ring! Vel cuts grease faster than soap. Cleans dishes cleaner than soap and cuts dishwashing time in half! Milder to hands! Vel is not a soap, but an entirely new, different suds that's completely neutral ... milder than soap.

*VEL is the trade-mark of the Colgate-Palmolive-Peet Company.



Cleaning the barnyard is another spring job that gets done more rapidly when there is power equipment. Alvin Rondale, of Tama county, Iowa, won't have to wait long for a load of manure.

No Sure Escape From Bloat Danger

But Many Farmers Avoid Turning Hungry Animals On Fast-Growing Legume Pasture

EVERYONE agrees on one point about cattle bloat. The fatal kind is produced on clover and alfalfa pastures. Other feeds may cause bloat, but rarely does death occur.

Mixed pastures are fairly safe. Most experiences testify to this. But what per cent of legumes can a pasture have with safety?

Bloat is almost unknown where pastures are 60 per cent grass, says the California experiment station. So, if your pasture has as much as 40 per cent legumes you had better watch your cattle.

What are the most used preventives for bloat on legume pastures? Several methods are commonly followed.

"Milk the cows and turn them right back on alfalfa," said a Montgomery county, Iowa, farmer. "Keep the legumes before them day and night, wet and dry, and they will never bloat."

This worked for a few years. He then found his best cow dead. In a few days there was a dead calf. Most preventives have failed in years when bloat is bad.

Another bloat prevention is to feed cattle some hay or grain before they are turned on pasture in the morning. This is based on the same theory as day and night pasturing. Don't let cows get too hungry and overeat.

Feeding hay to prevent bloating was tried at the South Dakota experiment station. A load of hay was placed in the pasture in a year when cows were bloating. The hay was good and the cows ate some.

But eating the hay didn't prevent bloating at the South Dakota station. Farmers have had the experience of cows bloating at about sundown after being fed hay and grain in the morning.

The South Dakota station found dew and rain on the grass had no apparent effect on bloating at times when bloating was bad. Neither did feeding salt, lime or soda stop bloating.

The South Dakota men don't say these remedies are useless and of no effect. But they do say they did not stop all danger from bloating.

Bloating is caused by the failure of the gas to escape from the cow's rumen by belching. All feeds form gas in the rumen. But for some reason the gas in the rumen of a cow eating green clover or alfalfa sometimes gets blocked in there and can't escape.

Death comes, say some authorities, by the crowding of the heart and lungs. The rumen becomes distended and may even burst. Other authorities say that death from bloat may be caused by the absorption of the gases into the cow's blood.

In either case, the gas that fails to escape from the rumen kills the cow. How can the gas be released before death occurs?

Place a gag in the mouth of the cow, say the South Dakota experimenters. This may be a wooden stick tied to a halter. Or the bit from a bridle may be used. The purpose is to induce belching.

While using this remedy, keep the cow's front feet higher than her hind feet. This will allow the gas to come to the opening in the rumen.

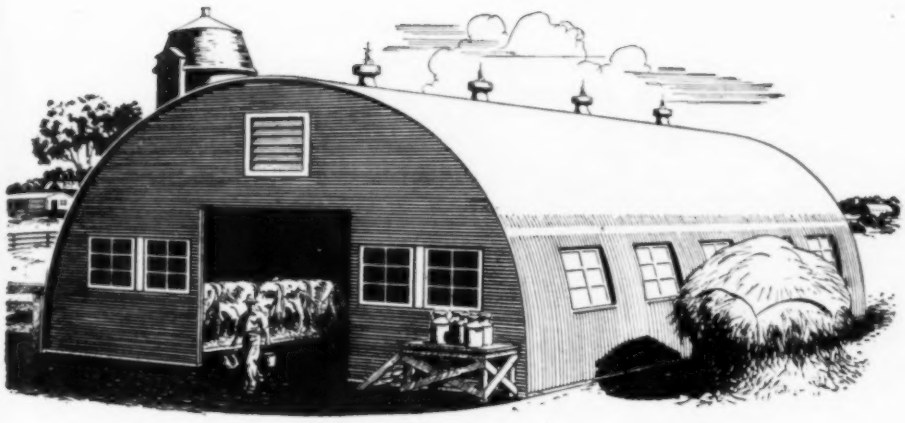
This remedy can be used in mild cases where the spot on the left side of the animal is extended beyond normal size, but the animal is not in agony.

In severe cases, the rumen must be punctured immediately to save the animal's life. A trocar should be used, but such incisions have been made in emergency cases with an ordinary knife or a butcher knife.

Get a veterinarian if you have time, but many farmers operate themselves if it seems that death from bloat is imminent. It's always important to sterilize the instrument in any operation.

The location where the incision should be made will be indicated by the extreme swelling at that particular point. The exact point is equally distant from the hipbone, backbone and last rib on the left side.

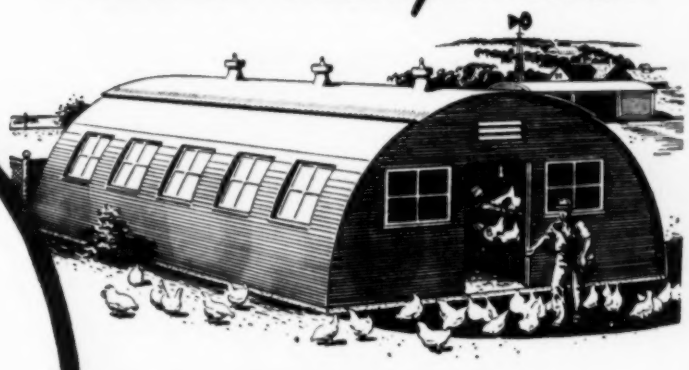
Need a Dairy Barn?



QUONSET 40 IS IDEAL

It's 40 feet wide, by any desired length (60, 80, 100 feet, etc.). Its clear-span construction, making use of Stran-Steel arch ribs, leaves the entire floor area usable, unobstructed by columns or posts. Each end wall is equipped with a big, free-sliding door, four windows and ventilating louvers. Side-wall windows, insulation and interior furniture can be quickly installed to fit the building to your particular needs.

Need a Poultry House?



QUONSET 20 IS JUST RIGHT

The width is 20 feet; the length whatever you need, in 12-foot sections (24, 36, 48 feet, etc.). The standard end walls are equipped with a walk door, two windows and ventilating louvers. Seven-foot doors, solid end walls and side-wall windows are also obtainable. The Quonset 20 is ideal for use as a poultry house—and for any other farm purpose for which its 20-foot width is suitable.

Half-Round Buildings for All-Round Utility

Quonsets* ARE THE ANSWER TO YOUR FARM BUILDING PROBLEMS

All-steel, all-purpose Quonsets provide the answer to the farmer's building problems. And they are the *ready* answer—quickly obtainable, quickly erected, quickly adapted to serve any one of scores of specialized uses.

*REG. U.S. PAT. OFF.

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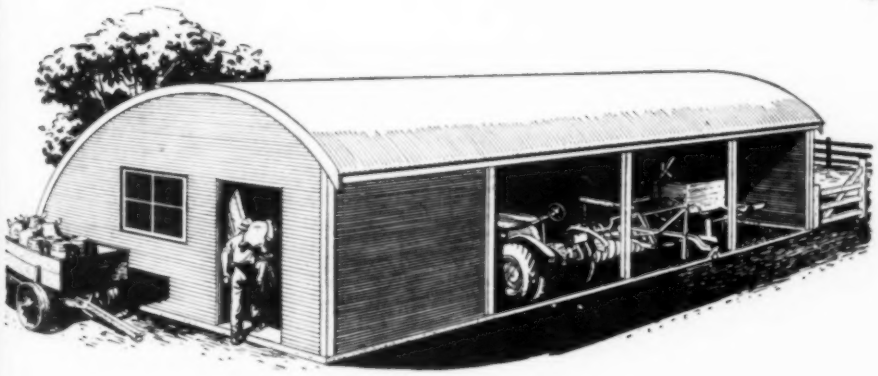

QUONSET 24 IS THE ANSWER

Perfect shelter and easy access are provided in this model, 24 feet in width, built up to any length, in sections of 12 feet. In any section you can have a sliding door, solid panel closure or open front. Solid end wall, or end wall with door and window, is obtainable.

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Workday Pointers

Helpful Suggestions For Farmers

WET HANDS should never touch a pull-chain electric switch, or a metal-covered light socket.

▲ ▲ ▲

EARLY-PLANTED soybeans have made better yields than late-planted beans in most tests.

▲ ▲ ▲

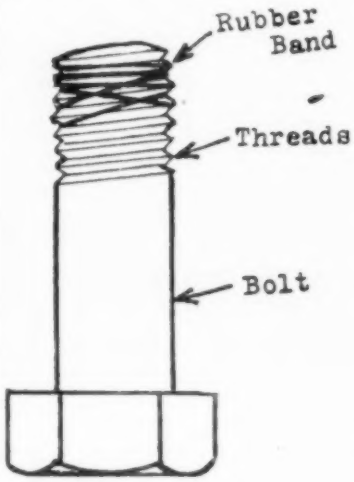
SOWS BRED during the last half of May will farrow during the second and third weeks of September.

▲ ▲ ▲

SOYBEANS need an even start with the weeds. So run the harrow, disk or weeder over the field on the same day the beans are planted.

▲ ▲ ▲

IF NUTS GET LOOSE in spite of everything, try this method: Wrap a rubber band around the bolt threads, as shown in the illustration. Keep stretching the rubber while wrapping, so it will be tight against the threads. The rubber band, being endless, will stay



in place. Then screw the nut on. The rubber band will be "chewed up" by the threads as you tighten the nut, but the elastic particles of rubber will remain between the nut and the bolt. This method has kept bothersome nuts tight for some farmers.

▲ ▲ ▲

SEALED CORN had more moisture in the last week of April than when it was sealed. This report comes from Iowa counties. Better keep watching your cribbed corn thru May.

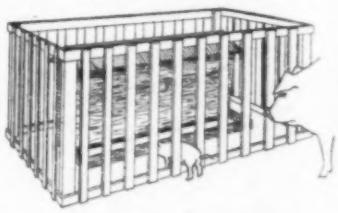
▲ ▲ ▲

FENCE CRAWLING is a habit with pigs. It's easier to stop the habit when the pigs are small than when they get larger. Stake the woven wire down at the first place you see the pigs crawling under.

▲ ▲ ▲

GOOD POINTS a gilt for breeding should have are summarized by Richard Blumeyer, vocational agricultural student at Sheldon high school, in O'Brien county, Iowa. The gilt should come from a large, uniform litter; she should weigh 32 pounds at 56 days and 200 pounds at six months; she should have a trim head and jowl, smooth shoulders, very plump hams, full loin, broad and slightly arched back; she should stand squarely on her feet, have good length, and five or six well-developed teats on each side.

CREEP-FEEDERS for pigs should be made with the bars upright. Crawling under a board is hard on the pig's back. Crawling under



things may also teach the pigs a bad habit. Put the bars just close enough together so the big hogs can't get into the special feeding ground.

▲ ▲ ▲

SOYBEANS drilled in right after June 1 are a good smother crop for creeping Jennie or Canada thistle. Tests have shown that a thick crop of beans lets less light get to the ground than any other crop.

▲ ▲ ▲

SWEET SUDAN is a new variety of pasture grass. It originated in Texas from a cross between common sudan grass and a red sorghum. It is said to produce sweeter forage and more per acre.

▲ ▲ ▲

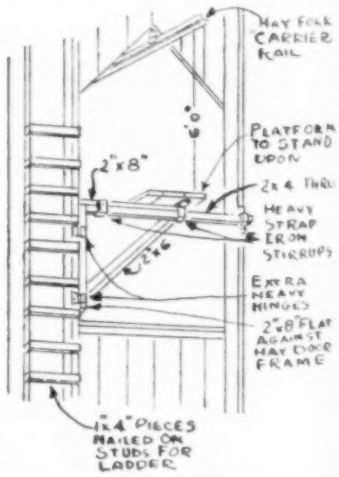
ELECTRIC FENCES make it easy to divide the pasture for rotation grazing. Tests indicate rotation grazing usually produces more pounds of gain or more milk than constant pasturing. Grass stands also last longer and keep their legumes better.

▲ ▲ ▲

FLUSHING SOWS is the practice of increasing the protein and grain feed in the two or three weeks before breeding. Many hog raisers believe sows are more likely to settle, and that litters will be bigger and stronger, if sows are bred when they are gaining and in the pink of condition.

▲ ▲ ▲

HAY CARRIER oiling and repairs will be much safer and easier with this swinging platform. It hangs on the side of the haymow door, swings under the carrier, and is supported from each side of the hay door when in use. The



platform hinges back out of the way when hay is being put in the barn. Hinges and bars should be extra heavy and well ironed for safety. Perhaps there should be more braces under the platform than shown in the illustration.

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That's why so many farm owners everywhere are again making Chevrolet their preferred car—for Big-Car performance and dependability—for Big-Car beauty and comfort—for thoroughgoing Big-Car quality at lowest prices and at low cost for gas, oil and upkeep!

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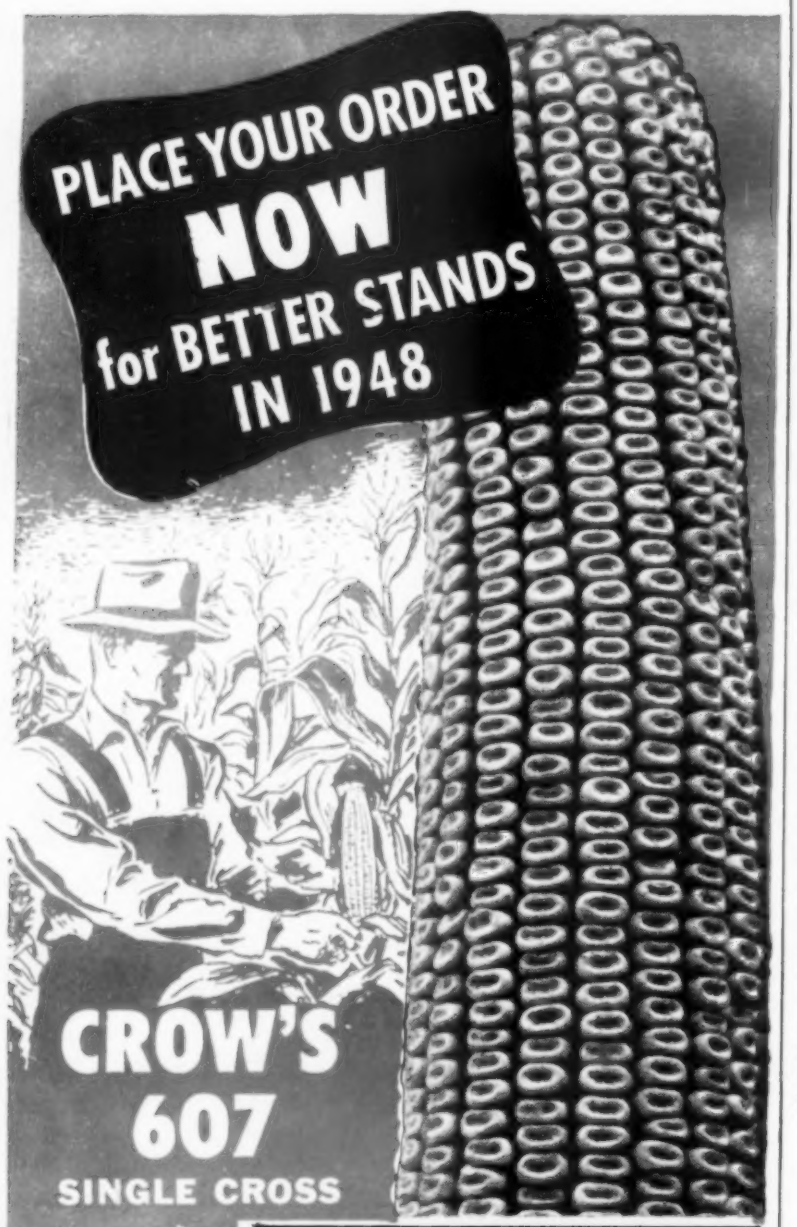

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Buy a Farm With $5,000 Down?

Man Takes Long Chance at Twice Pre-War Price, Says Head of the Farm Credit Group

Should a young farmer buy land at present prices with a down payment of one-fourth of the total price? Would you do it or advise your son to do it? I. W. Duggan, head of the Farm Credit Administration, had that question put to him. In this article he suggests some things to be considered.

NOT long ago, a young farmer asked me this question: "What should I do? I have saved $5,000 from renting. That is enough for a down payment on a farm I can buy for $20,000. Should I buy it?"

He said he had been renting a good-sized farm and had the equipment to farm it. The farm he could buy was smaller than the one he rented and no additional land was available to round out his acreage to fit his needs. He said further that a lot of repairs were needed to get the buildings in shape.

He went on to say: "The place was for sale at $10,000 five years ago. But I didn't have enough money then to finance it.

"What would you do?" He put the question to me for a definite "Yes" or "No" answer.

"It isn't easy to answer your question definitely," I said. "I'd rather give you some points to consider and have you make up your own mind."

The most important consideration is that, without much crystal gazing, most of us can see that the period of high farm commodity prices is not going to last indefinitely.

Some authorities say that the peak has been passed and are predicting that there will be a leveling out from here on. Buying a farm at present may mean that you will later be paying for it with expensive dollars.

By that I mean it may take 48 bushels of wheat, as it did during the years 1935-39, instead of 23, as in 1946, to meet the annual interest payment at 4 per cent on each $1,000 of borrowed money.

Other factors complicate farm land price patterns and tend to make present farm land values even more highly inflated.

A census survey made around 1941 listed about a third of the farm houses as "repairable," another third as "acceptable" and the other third as "non-repairable." The third that was repairable were in need of major repairs—new roof, new foundation, new plaster, new floors.

This same survey showed that most farmers weren't making very many improvements even in 1941. About three-fourths had made no repairs to their houses within the year, and the average spent for farm house repair for the country was $11 a farm. Also more than half of the farm houses in the country were more than 25 years old.

The young tenant thinking of buying a farm today at twice its normal value would also have the further expense for the necessary repairs to get his farm buildings, fences, etc., into condition.

Putting up new buildings or making repairs to old buildings usually costs much more than at first estimated. Of course, this cost must be added to the price of the land.

In normal times, the cost of cleaning up a neglected farm would be discounted in the purchase price. But on today's seller's market, it must be added to the cost of the land.

Another item to check closely is the condition of the soil. Land in most areas has been worked hard during the war years. In order to meet production goals many acres had to be cropped that normally would be in grass.

Now the soil needs special attention. To maintain its productivity may mean putting it into other crops which will not immediately yield as high returns.

A renter buying a farm for $20,000, with a $5,000 down payment, would have to assume a mortgage for $15,000, which is 75 per cent of the purchase price. It may be possible for him to get that much credit. However, some lenders would consider normal values when making the loan.

The Federal Land Bank, for instance, would be unable to finance him, using a land bank and a commissioner loan, for more than 75 per cent of the normal agriculture value of the farm. We might examine the cost of financing to see why the land banks use normal agriculture value.

For a $15,000 mortgage, yearly payments of interest and principal to retire the loan in 34.5 years at 4 per cent interest would be right around $810.

The buyer would have this expense to meet yearly. If farm income remains high for the next two years, he probably would have time to pay for necessary repairs from income.

But, on the other hand, suppose that the value of farm real estate had dropped down one-third. His farm would then be worth about $13,500, and he would have lost more than his down payment in the decline.

Consequently, his farm would be mortgaged for more than its market value.

Had the tenant waited to buy his farm until land prices were more nearly at a normal figure, he would have at least saved his $5,000 and would be obligated for a mortgage of only $8,500 instead of $15,000.

His interest bill, at 4 per cent, and installment payments would be around $460 instead of $810.

After considering all of the pros and cons of the situation, it is my belief that the average renter who contemplates buying a farm now at twice its pre-war value, and taking a mortgage of 75 per cent of the sale prices, must realize he is taking a long chance.

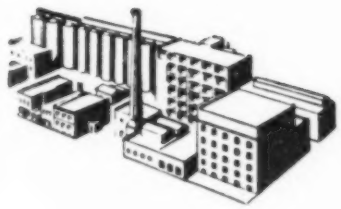
The Importance of YOUR OWN GRAIN

THINK OF SUPPLYING three-fourths of your feed right off your own farm! Thousands of farmers have been doing this since 1928 when The Hubbard Milling Company introduced its All-Purpose Concentrate—and pioneered a feeding program *especially for grain belt farmers.* "Make a feed that will profit the man who feeds it" was the rule then as now.

TODAY this 69-year-old company makes several concentrates for all types of livestock and poultry. Farmers bring their grain to nearby Hubbard dealers who blend it according to formula into a balanced ration. Or, farmers buy the dealer's own brand of feed, made The HUBBARD SUNSHINE Way, utilizing grain the dealer buys locally. Either way, grain shipping costs are side-tracked.

YOU CAN BE CERTAIN that these dealer-mixed feeds are nutritionally correct. Hubbard formulas, developed from the very latest in feeding research, are laboratory-controlled and farm-tested. Hubbard not only maintains its own experimental farm, but also has the finest vitamin, chemical and bio-chemical laboratories in the Midwest. Dealers who use Hubbard formulas are carefully supervised.

WHEREVER A DEALER displays The HUBBARD SUNSHINE Way ribbon, you can be certain that the grain you and your neighbors raise will go into the very finest feed for the livestock and poultry on your farm.



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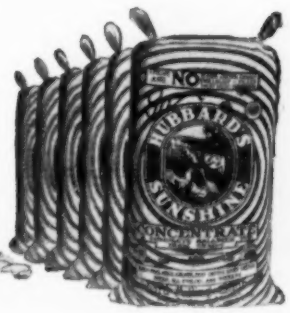
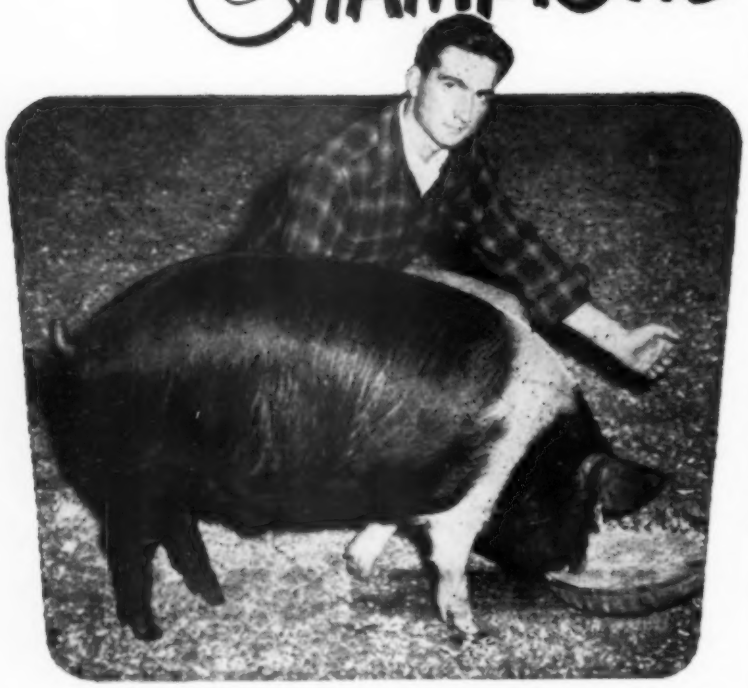


MAKERS OF HUBBARD SUNSHINE CONCENTRATES AND MOTHER HUBBARD FLOUR

AMERICAN CHAMPIONS



Champion Hampshire Barrow

Bill Worthington, Pontiac, Illinois is shown with his Hampshire barrow which took championship honors at the Junior Live Stock Feeding Contest, held in conjunction with the 1946 International Live Stock Exposition. Bill's porker weighing 238 pounds, sold for $1.60 a pound.

Champion Fence-"U·S·S AMERICAN"

U·S·S American Fence is champion twice over—first for longer life and first in the number of farmers who buy it. It takes a lot to be fence champion and U·S·S American has it all—years of all around good service, longer life, and generations of satisfied users.

If you need fence or other wire products, place your order with your nearest U·S·S American Fence dealer now! He may be able to supply you from stock. For further information or the name and address of a dealer near you, write to American Fence, 412 Rockefeller Building, Cleveland 13, Ohio.

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Kill Weeds In Corn With 2, 4-D?

Report Spraying Tests on Thistles, Jennie And Other Weeds in Grass, Oats and Corn

CANADA thistles and bindweed (creeping Jennie) are coming up to plague a lot of farmers. They may be in little round patches in the corn fields. The oat fields and the meadows may also have their share.

Other warm weather weeds are cockleburs and button-weeds. They grow and ripen with the crops. Cultivation alone will not keep them out of corn or beans. If oat or hay crops are harvested from weedy land, the whole farm may be seeded.

Will the new weed killer, 2, 4-D, kill these weeds? Can you spray in corn, oats or meadow without killing the crop, too?

Two men at Iowa State College are trying to find the answers to these questions. They are A. L. Bakke and E. P. Sylwester. These botanists tell of their experiments in the publication, Farm Science. They report:

"In 1945 and again in 1946, we used 2, 4-D on Canada thistles and creeping Jennie. The results show that you can expect about 70 per cent of Canada thistles and creeping Jennie will be killed by two sprayings the first year. Two more sprayings the next year will give you about a 90 per cent kill."

So it seems that on well established patches of these weeds, you must figure on spraying twice a year for two years. And a few weeds may still come up.

Will that make spraying with 2, 4-D too expensive? Can you raise a crop on the land while the weeds are being sprayed? The botanists say:

"Even if it takes several years to do the job, the cost is very low with 2, 4-D—it takes so little of it. It still looks like a fine chemical for handling these weeds. It won't hurt you or your soil. It won't kill the grass. You could . . . continue spraying without fear of hurting the livestock on pasture."

Notice that the botanists say grass. Clovers and alfalfa are killed by 2, 4-D. Blue grass, timothy and brome grass are resistant. So is quack grass.

But what about spraying in small grain fields? Here is their answer:

"In 1946 we sprayed an oat field when the plants were 12 to 18 inches high. This field had many smart-weeds. The sprayed plots yielded 68 bushels per acre — the unsprayed nearly 78 bushels. . . . Another field of oats with a lot of wild buckwheat was sprayed when the oats were 12 inches high. . . . Grain from these plots had no wild buckwheat seed. Here, the yield was not cut by the spraying."

These experiments show that spraying oats is not out of the question. And other weeds besides Canada thistles and creeping Jennie could be controlled. Of course, you could not spray an oat field that had been seeded to clover or alfalfa.

Flax is susceptible to 2, 4-D and can not be sprayed, the botanists say. And they offer this warning about oats:

"There is still some question about the effect of 2, 4-D on the germination of small grain seed. We think that if you are going to try spraying oats or other small grain, you had better do it when the grain is six to ten inches high rather than later."

But what about spraying weeds in corn? Some farmers have been planning to put sprayers on their tractor cultivators. They would spray close to the ground and thus take cockleburs, Canada thistles, creeping Jennie and button-weeds out of the rows. This is a wonderful idea if it would work.

After stating that experiments at some other stations are not in agreement with the Iowa results, Bakke and Sylwester report as follows:

"It seems that if corn is not more than five to 15 inches high, you may be able to spray without hurting the corn too much. If the corn is growing fast, you had better not use 2, 4-D. In some of our sprayed fields the stalks twisted, became brittle and deformed. . . . The yields were reduced."

Some reduction in yields would be accepted by farmers in both oats and corn if Canada thistles and creeping Jennie can be killed by the chemical. But further experiments will have to be made before the amount of damage can be determined.

Bakke and Sylwester emphasize that 2, 4-D is still in the experimental stage. Tests have not all given the same result. They sum it up this way:

"The new weed killer, 2, 4-D, is good. But it's not perfect. It will kill some weeds, all right, but not all of them. We are learning by careful tests on which ones it works and on which ones it doesn't."

World Cattle Numbers Above Pre-War

Cattle numbers are increasing in most countries of the world. This report is made by foreign relations officials of the U. S. Department of Agriculture.

Cattle raisers in North and South America, Africa, Australia and New Zealand have more cattle than before the war. Farmers in the war-devastated areas of Europe and Asia (including Russia) are the only ones who have fewer cattle than before the war.

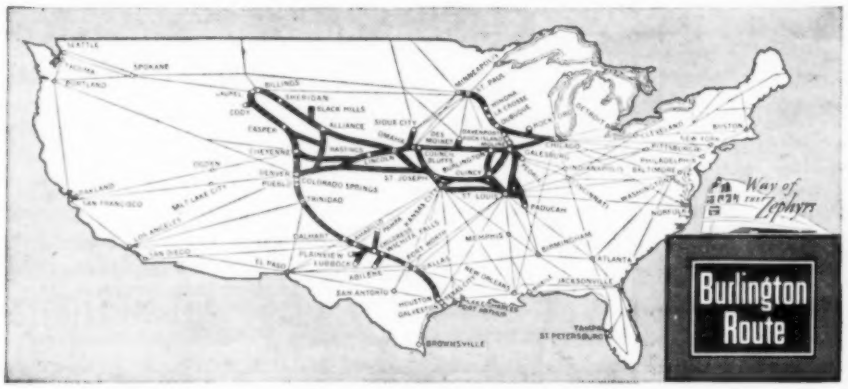
During the last year and a half even some of the war-devastated countries have made a moderate come-back in cattle numbers, the officials report.

"You need GOOD SEED to produce a GOOD CROP!"

Every farmer knows this: Whatever you grow—corn, wheat, oats, barley, or any other field crop—it pays to plant good seed.

RAILROADING is like that, too. Take the Burlington, for example. For many years, this railroad has been planting the seeds of future success—for its farm neighbors and for itself. This long-range program has included working with our farm neighbors in improving crops and livestock—in soil improvement and conservation—as well as in improving transportation service for farm products.

The Burlington invests time and money in this program for purely practical reasons—as "seed" for the continued prosperity of the region it serves. For when farms are productive and farmers are prosperous, the Burlington hauls more farm products to market and carries more manufactured goods back to the farm. As its neighbors prosper, so does the Burlington.



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The Farm-tested Weed Killer

Weed-No-More controls mustards, sunflower, cocklebur, bindweed, Canada thistle, hoary cress, buckbrush, and other weeds. Weed-No-More increases your yield, and helps improve quality. Weed-No-More, by killing and controlling weeds, reduces loss of soil moisture and fertility.

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Washington Wire

See Smaller Drop In Farm Prices

Economists Predict Late Fall Recession May Not Amount to More Than 15 or 20 Per Cent

WASHINGTON, D. C.—If you were discouraged by the prediction—made two or three months ago—that farm prices would drop 25 to 30 per cent this fall, you should feel better now.

The same USDA crystal-gazers now say that the drop will not be more than 15 or 20 per cent.

That could still mean $19 hogs, and pretty good prices in other lines.

Fewer strikes and some price cuts have made many folks feel more cheerful about next fall. If pay rolls stay up, a lot of food will be eaten at good prices.

Watch pay rolls to see whether farm prices will go up or down.

Government spending for relief overseas may not be so great next year. Congress is balking at appropriations.

If foreign relief funds are cut, sales of dried milk and eggs will suffer.

Hearings on a future farm program are being held here, but nobody is paying much attention. It is hard to get congress worried about future farm income when present farm income is so good.

Chairman Hope says: "The best time to fix the roof is while the sun is shining." Not many agree.

Some consumers say farmers are too prosperous and that farm prices are lots too high. You can't scare them by talking about a drop in farm prices.

Present guess is congress next year may pass stop-gap legislation extending some supports thru 1949, at perhaps 80 per cent of parity instead of 90 per cent.

An agriculture department survey on farm costs and returns, which has just been issued, shows that cash grain farming produced the greatest returns in the corn belt last year. The return on investment for this type of farming was reported at 10.1 per cent. Returns for other types were reported as follows:

Hog-beef fattening, 8.5 per cent; hog-beef raising, 7.6 per cent, and hog-dairy, 7.7 per cent.

The return per hour of labor for the various types was reported as follows:

Cash grain, $1.75; hog-beef fattening, $1.66; hog-beef raising, $1.33, and hog-dairy, $1.

In spite of the criticism of Henry Wallace, a lot of people here are swinging around to his point of view. But they usually don't admit their change comes from Wallace's speeches.

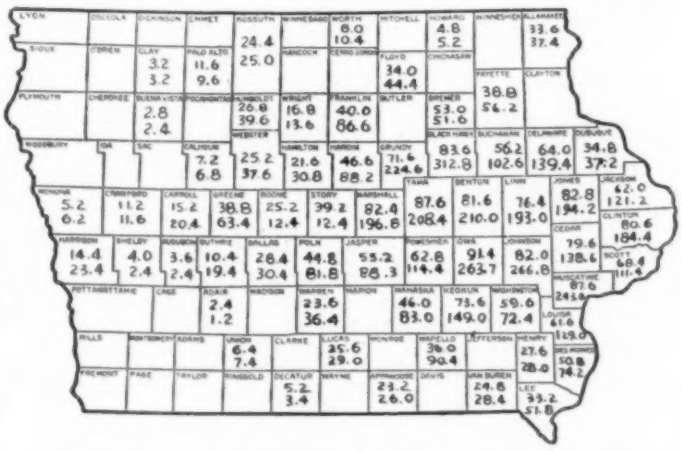
Wallace went on the air right after President Truman sent his Greek-Turkish loan bill to congress. He said the loan was for military purposes, was aimed at Russia, and would lead to a lot of trouble.

Since then congress has got more and more doubtful about the loan. Many of those who vote for it will do so reluctantly.

On his return from Europe, Wallace summed up again his criticism of the "Truman doctrine" and the Greek-Turkish loan as involving us in the risk of war. He said.

"The program provides military equipment for European governments. What good is military equipment to them?

"Denmark wants American trac-



IOWA CORN BORER SPREAD

The spread of the European corn borer in Iowa is indicated on the map above. Upper figure in each county is the percentage of stalks in which borers were found. Lower figure is the number of borers per 100 stalks. The survey was made by Iowa State College entomologists. Results are based on a certain number of fields selected by a uniform plan. Blank counties were not surveyed.

"Whew! It's hot! I feel like I'm bacon!"

tors to reorganize its agriculture. Sweden and Norway want American coal and steel to start their industries again.

"France and Britain want American machinery to modernize their plants. They are offered tanks and guns instead. . . .

"In Britain, Norway and Sweden I spoke to meetings of the United Nations Associations. These associations are made up of workers, farmers, business men and civil servants who cooperate on behalf of the principles of One World.

"I spoke to these groups as frankly as I am speaking to you, because I believe that this is a time for frankness and that a real danger of war is the inability of people to understand each other.

"I regret that my speeches were misquoted and quoted out of context in the American press.

"I criticized the Truman doctrine in England in the same words that I criticized it in America. I outlined a constructive alternative.

"I said that the proper use of American resources, applied thru the United Nations to raise the living standards of all peace-loving people, could immeasurably strengthen the United Nations and secure lasting peace.

"I called for regional projects administered by the United Nations along TVA lines for southeastern Europe and the middle-east.

"I asserted that the financing of these projects should be handled thru the International Bank, with American funds.

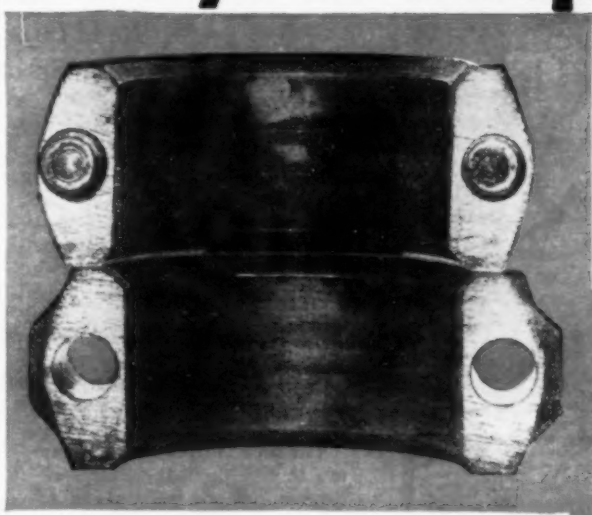
"I said that the cost would be infinitely less than the immense cost of a new depression or the incalculable cost of a final war.

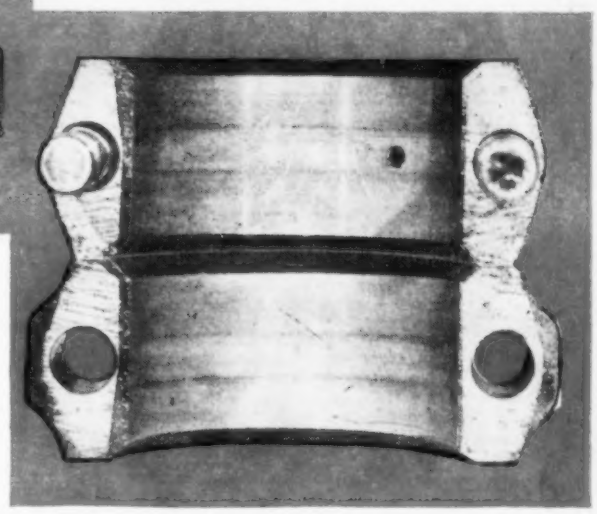
"America is the natural leader of these (European) peoples. The deepest part of the American spirit that they cherish is the spirit of leading the world toward higher living standards, greater tolerance and deeper love.

"Men who, by their fear and hatred, cause divisions in the world are the enemies of American tradition and of the American people."

Price supports on butter at 57-60 cents were ready to be announced here when consumer complaints about high prices made officials hold things up. If flush milk production causes price trouble, supports may be brought out again.

It Pays to Keep Farm Engines Mobiloil Clean





ABOVE—Bearing from popular-make car after 20,000 miles' service with "just any" oil. Note how entire bearing surface is heavily coated with deposits that waste oil, fuel, and power . . . lead to costly wear.

RIGHT—Same bearing after 2,000 additional miles' service—this time with NEW Mobiloil. Bright surface shows how amazing cleaning properties make vital engine parts freer of deposits . . . keep them better protected!

Maximum Power at Minimum Cost Per Hour

Your Mobilgas-Mobiloil Man offers you a complete line of top-quality Socony-Vacuum lubricants—exactly the right oils and greases for *every* part of *every* machine you operate.

He bases his recommendations on the latest scientific charts and data — uses the same maintenance methods that are boosting output and lowering costs in factories and farms across the land.

For real help with your problems, call in your Mobilgas-Mobiloil Man today. His service costs you nothing, saves a lot of time and money.

For Tractor, Truck or Car Change to

Mobiloil

The All-Purpose Engine Oil

SOCONY-VACUUM OIL CO., INC. • WHITE EAGLE DIVISION

A PRODUCT FOR EVERY FARM NEED

MOBILGAS—For powerful, thrifty performance in your tractor.

MOBILGREASE—A type for every grease lubrication problem.

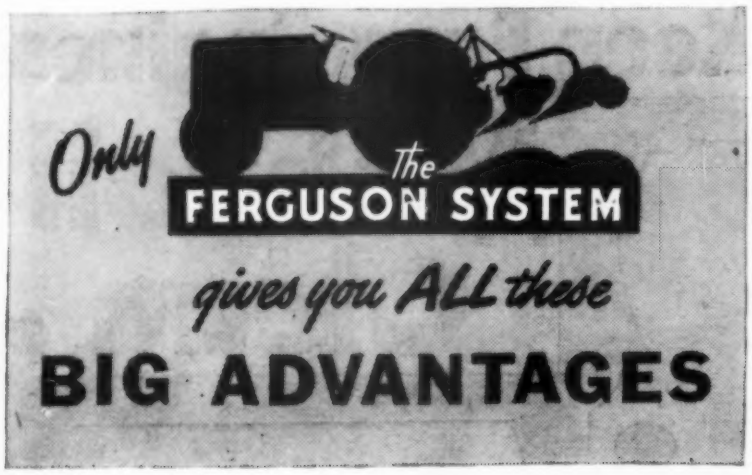
MOBILOIL GEAR OIL—Premium quality—made in correct grades for cold or hot weather operation.

POWERFUEL—Quick-starting, clean-burning, economical.

MOBILCOTE 270—Protects against rust and corrosion. Easy to apply.

Mobilgas • Mobiloil

TUNE IN THE MOBILGAS PROGRAM • NBC • MONDAY EVENINGS, 7:30 CST



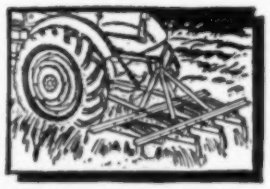
1 PENETRATION WITHOUT EXCESSIVE IMPLEMENT WEIGHT. Action of the Ferguson System *pulls* the implement into the ground. Costly weight . . . as much as several hundred pounds for some implements—is eliminated.

2 FINGER TIP HYDRAULIC DEPTH CONTROL. Ferguson hydraulic implement control is both *manual* and *automatic*. This hydraulic control is not a separate attachment. It is a built-in, integral part of the exclusive Ferguson System. It costs you nothing extra.

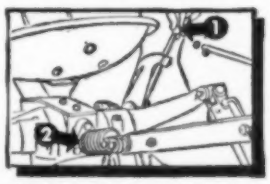
3 TRACTION WITHOUT EXCESSIVE BUILT-IN WEIGHT. The Ferguson system uses forces that result from pulling an implement through the soil to adjust traction as needed, *automatically*, for either light or heavy work. The saving of hundreds of pounds in tractor weight saves fuel every trip through the field.

4 KEEPS THE TRACTOR'S FRONT END DOWN. As a Ferguson unit implement is pulled forward in the soil, the top link of the Ferguson 3-point linkage exerts a strong forward and downward force. This keeps the front wheels down and provides positive, safe steering control.

5 AUTOMATICALLY PROTECTS TRACTOR AND IMPLEMENT WHEN THE IMPLEMENT STRIKES AN OBSTRUCTION. No time lost resetting spring releases or other separate protective devices.



GREAT strength is combined with weight saving in Ferguson Implements due to the Ferguson System and use of special alloy steels.



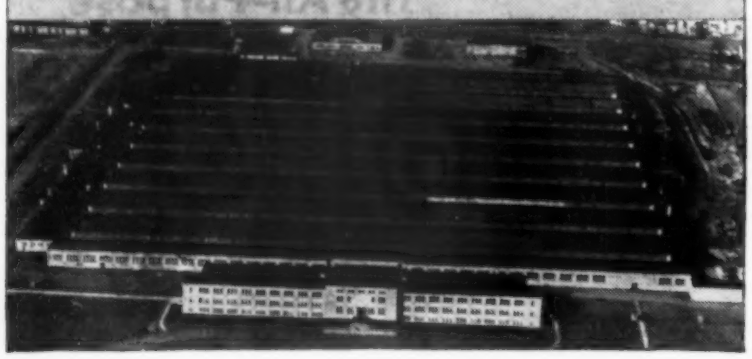
YOUR work is made easier than ever before. *Only* the Ferguson System combines muscle-saving advantages of both finger tip and automatic hydraulic control.

ASTONISHING fuel economy results because the Ferguson System provides traction without excessive built-in weight.

It's THE FERGUSON SYSTEM

THAT MAKES THE DIFFERENCE!

HUGE NEW FACTORY for the FERGUSON SYSTEM



Recently purchased by Harry Ferguson, Inc., this huge surplus war plant, at Cleveland, Ohio, is now being converted into one of the nation's largest and most modern tractor factories. More than ever your Ferguson dealer will be in position to supply and service mechanized farm equipment embodying the exclusive Ferguson System.

HARRY FERGUSON, INC. Copyright 1947 Harry Ferguson, Inc. **DETROIT 3, MICHIGAN**

Weed and Tax Laws Affect Farmers

Road Improvement Bills Delayed Until Next Session of the Iowa Legislature

THE county weed commissioner law was as important as any of the measures directly affecting agriculture passed by the 1947 Iowa legislature.

It is expected to result in a better weed control program in the state. It abolishes township weed commissioners and replaces them with a single county weed commissioner in each county. About one-third of the counties already have county commissioners.

The new law reduces from ten to five days the length of time notice must be given to cut weeds on private land.

It broadens the power of the secretary of agriculture to declare new weeds obnoxious. And it permits counties to levy an additional quarter-mill tax to buy weed eradicating equipment.

Less agricultural legislation was suggested than at any time in a decade. Therefore, little could be passed. Here are some things the legislature did:

Increased from $2,000 to $2,500 the maximum amount of state aid for county and district fairs; liberalized the amount of state aid payable for premiums.

Permitted 4-H Club members to get a new start on showing calves by legalizing official calfhood vaccination for Bang's disease when calves are vaccinated between the ages of four and eight months.

Changed the law on bonds required for dealing in hog cholera virus and serum from one $5,000 bond to a $1,000 bond for each outlet.

Specifically declared growing crops exempt from taxation.

Some of the things the legislature refused to do were:

Subject REA lines to taxation.

Repeal the law under which county appropriations for extension work are made.

Repeal the power of counties to own or lease limestone quarries.

Make tractors subject to the law of the road.

Subject poultry above $500 in value to taxation.

Impose a tax on eggs and poultry for an advertising fund.

Repeal the four-month notice necessary to terminate a farm lease.

The things it did not do were proposed in bills introduced that either were defeated or died.

Taxation laws enacted that affect everybody include:

The county assessor law, expected to equalize property valuations thruout the state as an essential to equitable distribution of state aid.

The 100 per cent individual income tax payment for 1948 on 1947 income.

The law increasing by two-thirds the bonded debt limit for counties, cities and towns, and school districts.

The law increasing the maximum school fund tax limit from enough to raise $115 per pupil to enough to raise $140 per pupil per year.

The new county board of education law and the new school reorganization law, under which proposals to enlarge school districts will be prepared by the county boards and submitted to voters of affected districts to carry by majority vote of the districts voting separately.

School legislation sought by the Iowa Farm Bureau Federation and the Iowa Board of Education was enacted in volume greater than two years ago. Appropriation for state aid went up $9,000,000 a year.

Road legislation, altho largely deferred to 1949, will be a big subject two years hence, because a committee of 12 will draft programs for both primary and secondary road improvement.

The 1947 Iowa legislature appropriated a record $160,000,000 for expenditure in the next two years, starting July 1.

It is estimated that the general fund from which the appropriations will be paid will receive $183,000,000 in the same period.

The legislature was able to appropriate $160,000,000 with confidence that $23,000,000 still will be left in the general fund, because it placed all the general fund income in one jackpot.

It took $60,000,000 of surplus in the sales and income and use tax funds and the liquor control profits, from separate funds, and consolidated it into one fund.

Then it distributed the surplus and the estimated income to take care of the increased operating expenses, add to the building funds, and make some miscellaneous appropriations.

State school aid received $13,000,000 a year for the next two years.

Farm-to-market roads did not get the $15,000,000 the senate appropriations committee suggested. The $3,736,000 necessary to match federal highway aid was provided.

The Board of Control, Board of Education and state departments got sizable increases in operating funds.

The old-age assistance fund was increased by $2,000,000 a year to $10,000,000.

The $16,500,000 a year necessary to pay homestead tax credits was guaranteed.

The state put up $2,100,000 of general fund money and $2,400,000 of liquor profits for the next two years to provide $4,500,000 with which to reimburse local taxing districts for up to 25 mills of revenue lost thru service men's property tax exemption.

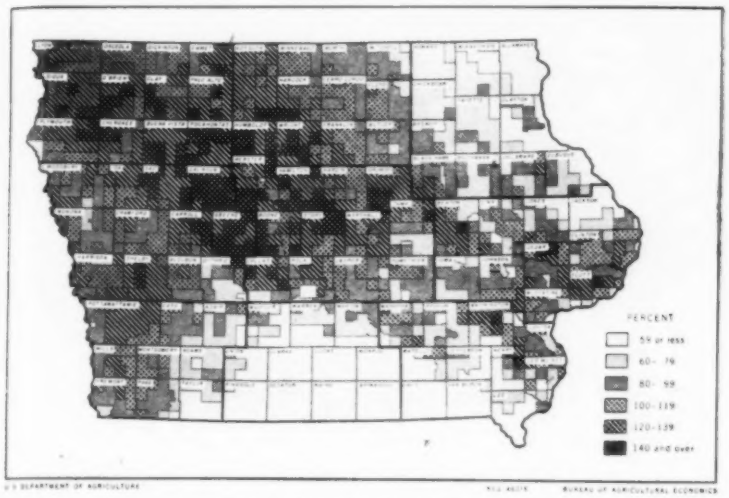
The legislature submitted to the voters in the November, 1948, general election the question whether they wish to authorize issuance of $85,000,000 in World War II bonus bonds. This proposal carries a provision for payment of bonds and interest by a general property tax.

Where's Best Land?

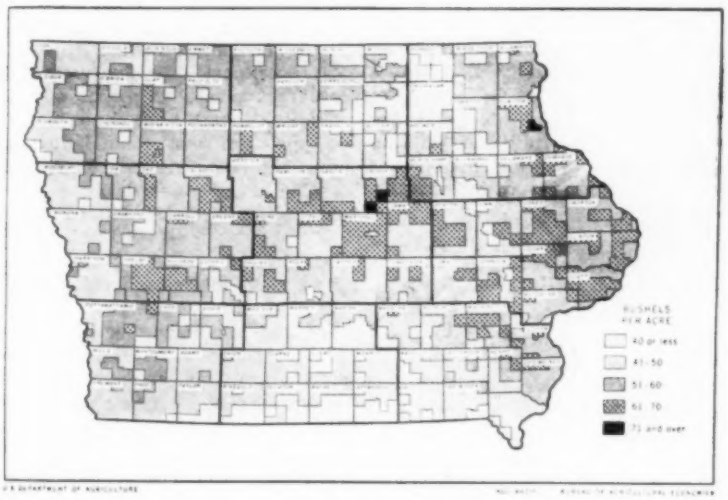
The maps below show how your township compares in crop yields with others in Iowa. They are based on yield estimates for the five years, 1940-44.

Find your township, then check the key in the lower right-hand corner of each map. The darker the shading, the higher the yield.

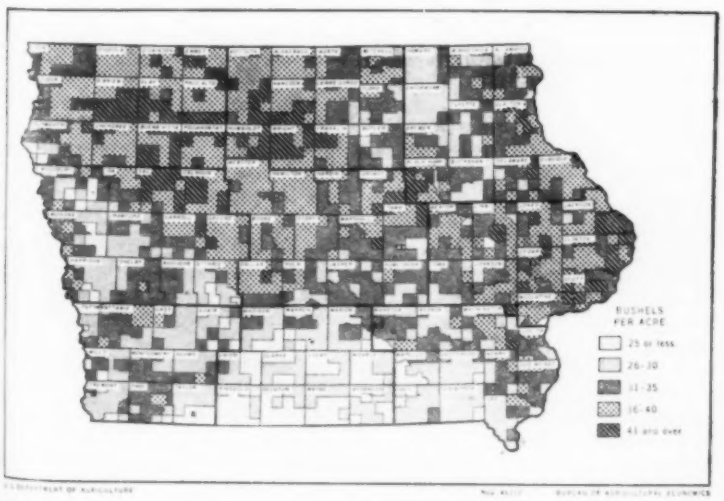
Maps are taken from "A Graphic Summary of Crop Yields and Land Productivity," issued by Iowa and United States Departments of Agriculture.



Index of average grain and seed crops harvested per acre in 1940-44 is shown here by townships. Figures used in key are based on Iowa average of 100. Canaan township, Henry county, topped state with 166 per cent. Others in the high five were: Lincoln township, Dallas county, 164; Logan township, Calhoun county, 159; Marcus township, Cherokee county, 158, Clay township, Grundy county, 158.



Corn Yields for Iowa townships in 1940-44 period are shown on this map. Top townships were: Garnavillo, Clayton county, Felix and Palermo, Grundy county, each with average of 71 bushels per acre. Three townships had a 70-bushel average: Farmersburg, Clayton county; Colony, Delaware county, and Lincoln, Tama county.



Oat Yields for Iowa shown above have been estimated by townships for the five years, 1940-44. Two townships averaged 47 bushels an acre: Swan Lake township, Pocahontas county, and Storm Lake township, Buena Vista county. Six others averaged 46.

GOOD-BY BACK-ACHE

...When You Get This Amazing

Hydraulic Tractor Seat

No More Jars and Jolts When You Ride a MONROE *HYDRAULIC* E-Z RIDE TRACTOR SEAT

Why take a beating from a rough-riding tractor and suffer with back-ache *when it is no longer necessary?* Do what 300,000 farmers have done—equip your tractor with the new Monroe *Hydraulic* E-Z Ride Tractor Seat.

Imagine riding over rough ground and across furrows without jars and jolts or spanking! The Monroe E-Z Ride Seat smooths out the bumps *hydraulically,* just as Monroe Shock Absorbers do on a car. You ride comfortably—never have to stand for a back rest.

This very week, see the Monroe E-Z Ride Seat at your implement dealers. Fits 23 popular tractor models. Installed in 15 minutes.

SCIENTIFICALLY DESIGNED FOR A SMOOTH, EASY RIDE

Automatically adjusted variable-rate coil spring of just the right tension supports E-Z RIDE, giving the same comfortable ride to man or boy.

Monroe Double-Action *Hydraulic* Shock Absorber controls action of spring, counteracts bumps, cushions the ride. Stablizer counteracts sidesway.

SOLD BY LEADING IMPLEMENT DEALERS

Write us if not yet carried by your farm equipment dealer.

MONROE AUTO EQUIPMENT COMPANY...MONROE, MICH.

MONROE HYDRAULIC E-Z RIDE TRACTOR SEAT

Get the *Extra* Pork that's in Your Feed

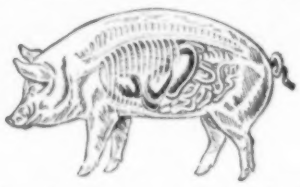
Feed Morton's Free Choice Salt

Here are the facts . . . no guess work . . . no "maybe's". Closely supervised and impartial feeding trials run in 1945 and 1946 by a nationally known and accredited institution proved . . .

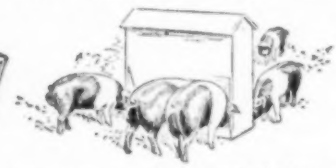
—that hogs fed salt free choice made 150 lbs. of gain with the same feed as against only 100 lbs. of gain from hogs fed no salt.

In addition, hogs fed salt free choice reached 200 lbs. in less than 180 days . . . 100% faster than those who got no salt. Read all the details in the booklet described below. Send for your copy immediately — plan now to get the extra pork that's in your feed this year.

Here's why hogs put on faster gains when fed salt free choice. Salt is more than an appetizer. It is vitally needed, absolutely necessary, for the proper digestion of the proteins, fats, and carbohydrates in the feed . . . and for quickly converting these elements into pork.



Hogs that do not get enough salt simply cannot convert the feed they eat into pork as quickly as do hogs who get salt free choice. "Free Choice" hogs eat better — look better — put on weight faster.



Remember . . . all livestock do better and are more profitable when fed salt free choice. Beef cattle — dairy cows — sheep — are no different than hogs in that free choice salt helps them convert feed into profits much faster — and as nature intended.

Every farmer and feeder should have this practical, well illustrated, 40-page book which tells, in detail, how to feed salt for the greatest gains. Not only tells *how* to feed salt free choice, but also provides plans for making practical, economical salt feeders. Only book of its kind — and it's free for the asking. A penny postcard will bring your copy by return mail, postpaid. Morton Salt Company, 310 S. Michigan Avenue, Chicago 4, Illinois.

MORTON'S
Free Choice
SALT

MORTON'S Free Choice Salt is especially developed for more profitable livestock feeding. It's pure — easy to feed and easy to use for mixing. Be sure to ask your dealer for it BY NAME . . . MORTON'S Free Choice SALT.

EASY TO FEED . . . EASY TO MIX
MORTON'S *Free Choice* SALT

Foot and Mouth Scares Them

Dan Wallace Reports on Southwestern Cattle, Oleo and Corporation Farming

Dan Wallace, son of "Uncle Henry" Wallace and uncle of Henry A. Wallace, has been writing for farm papers for a good many years. Out of his experiences and out of recent visits around the country, he sends these comments to readers of Wallaces' Farmer and Iowa Homestead.

Foot and Mouth

When I was down in the southwest country a few weeks ago, I found livestock raisers greatly alarmed over the outbreaks of foot and mouth disease in Mexico. I don't wonder.

Back in 1914, an outbreak starting in one state spread to 22 states. I remember it got into the National Dairy Show at Chicago. The disease wasn't stopped until May, 1916.

In that time, it cost the government nine million dollars to slaughter 200,000 head of stock.

Another outbreak came in California in 1924. Deer were infected, as well as domestic stock, and it was a job to run down and kill all the diseased animals.

Right now, I hear that more than 500,000 head of livestock in Mexico are infected. Zebu bulls imported from Brazil may have started it.

I hope the United States puts up plenty of money and man-power to help Mexico stamp out the disease.

Henry A. Takes Eggs

When my nephew, Henry A. Wallace, started for England a few weeks ago, he carried a basket of eggs with him. He may have had an ear of corn in his pocket, too.

That sounded queer to the reporters, but not to me nor to corn belt farmers who know him.

My guess is that the eggs came from hybrid or inbred strains of poultry, and that he is going to give some British poultrymen a chance to get a start in a new line of high-producing hens.

When Henry flew to China and Asiatic Russia, in 1944, he took along new seeds and plants. He keeps looking for new ways to increase the world food supply and thus to prevent people fighting when they get hungry. He wants to win the peace by using food as a weapon.

Oleo Hot Toast Test

Back in the old days, packers made most of their oleo out of animal fats. They'd open their oleo plants when butter got up to 50 cents.

Things have changed since. Oleo doesn't have much animal fat in it. And it is produced right along, regardless of the price of butter.

I even ran into oleo while visiting relatives in Arizona. At breakfast one morning I reached for what I thought was butter to put on hot toast.

I must have proved by my face that you can't fool an old buttermaker.

I'm afraid a lot of children down in that country will grow up without ever having tasted butter.

That's something for dairymen to think about. Eating certain things gets to be a habit. Butter-eating is a habit that makes possible a greater future for the dairy industry.

Hog In Office

Whenever anybody brings up the subject of purebred stock or prepotent sires, I think of the winter I spent in the same office with Chief Tecumseh 2d, the great Poland China boar.

This was back in the nineties. Chief Tecumseh 2d had died on the farm of W. A. Jones, at Van Meter, Iowa. His stuffed and mounted hide was sent down to the farm paper office.

He was a great sire. Older breeders will remember his get, Chief Perfection 1st and Orion.

Corporation Farms

Out in the San Joaquin and San Lucia valleys, in California, I saw many enormous farms. Apparently, the expert individual vegetable or fruit producer might survive old-time conditions, but modern competition pushes small farmers into big cooperatives—or failure.

The trend toward big farming in California is forced by necessity. Fruits and vegetables must be sprayed at the right time and by proper methods. Irrigation and protection from pests and weather demand large-scale action also.

The corporation farm has not made much progress in the livestock farms of the middle-west. With proper community development and the use of cooperative methods, the family farm should continue to fight off the corporation farm in the corn belt.

Pioneer Workers

Three Iowa people get credit for pioneer work in promoting agricultural education and 4-H work. The first was Jessie Field, superintendent of schools at Shenandoah, Iowa.

She installed a Babcock testing outfit in the schools. Country pupils could test for butterfat the milk they brought in from their family herds.

A second pioneer was "Cap" Miller, of Sigourney, Iowa. He staged school affairs showing farm production and other projects to interest farm boys and girls in life on the farm.

The third was O. H. Benson, superintendent of schools in Wright county, Iowa. He usually is given the credit for designing the 4-H Club emblem. "Tama Jim" Wilson later called him to Washington to head up 4-H Club work.

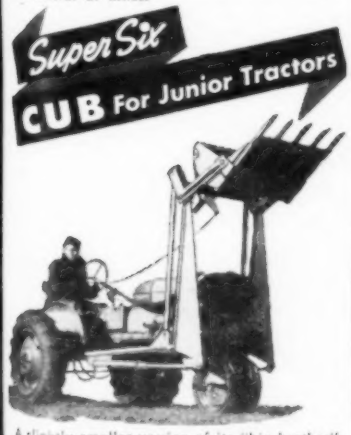
Wallaces' Farmer and Iowa Homestead helped bring the work of these pioneers to public attention.

FOR STANDARD 4 WHEEL TRACTORS

A hydraulically powered farm tool for heavy duty service when mounted on standard 4 wheel tractors. Precision engineered and dynamically balanced for maximum efficiency. Utilizes to the fullest the exclusive Super Six principle—"Gets under the load and lifts!" Equalized action keeps load-weight distributed over entire frame—no stress or strain centered on tractor or axles. Six sturdy attachments easily perform most burdensome farm tasks.

FOR STANDARD ROW CROP TRACTORS

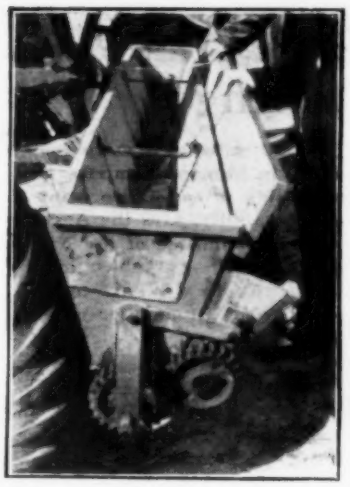
A time-tested and farm-proven loader, precision built for standard row crop tractors. Its powerful lift arms are "steel muscles" that never tire. Dynamically balanced to perform the hardest tasks with minimum power, and least wear on tractor. Load-weight distributed over entire tractor frame—no strain centered on tractor or axles.



A slightly smaller version of its "big brother" above and designed for smaller row crop tractors. Rugged, efficient, dependable. Note there is no awkward overhanging structure—no cables, chains, or pulleys. Soundly engineered and dynamically balanced for maximum service.

SUPER SIX MFG., INC.

MINNEAPOLIS 12, MINNESOTA



Grain drill, mounted on tractor, makes it possible for T. E. Stanton, Jones county, Iowa, to seed, disk, harrow at same time.

Bean Grower's Questions

Is it necessary to inoculate beans if planted on land that has grown beans in the last few years?

The bacteria which live on the roots of beans decline in numbers rapidly after the bean crop is removed. Even in a year or two, the bacteria may be too few to produce good nodulation on the next bean crop.

Therefore, it isn't safe to depend on bacteria already in the soil. The seed should be inoculated.

How long ahead of planting should the seed beans be inoculated?

Follow the instructions on the container. All inoculants are not exactly alike. As a general rule, beans should be planted as soon as possible after being inoculated.

The bacteria will not live very long without moisture. The container should not be opened, partly used, and the remainder permitted to dry out before it is used.

How much less will beans yield if nodules fail to develop on the roots?

You will almost certainly lose one or two bushels per acre in yield. Some tests have shown a loss of 20 per cent in yield when the bacteria are not present and there are no nodules on the roots of the soybeans.

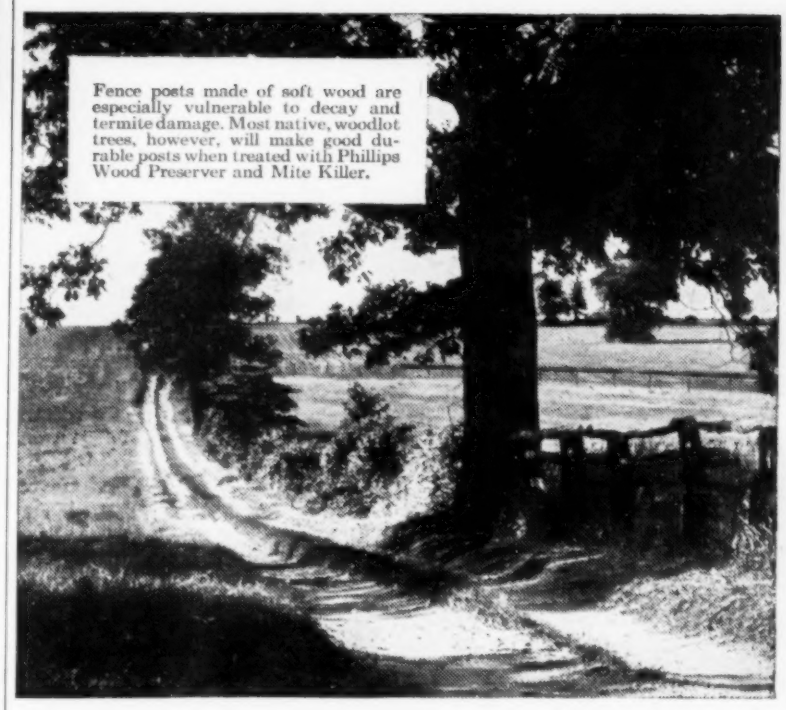
Beans that do not have the bacteria and the nodules have to get all their nitrogen from the soil. The bacteria living on the roots have the power of taking nitrogen from the air.

Do the beans produce more protein and oil when the roots have bacteria and nodules on them?

Some experiments are reported from Iowa State College as to the protein and oil content of beans, comparing beans grown on soil with bacteria and on soil without bacteria. Beans contained 9 per cent more protein from inoculated fields. The protein per acre increased almost 30 per cent, due to the increase in yield.

Inoculated soybeans contained 3.5 per cent less oil. But oil yield per acre was 16 per cent greater where the beans were inoculated. Again, the increase in oil yield per acre was due to the increased yield of beans.

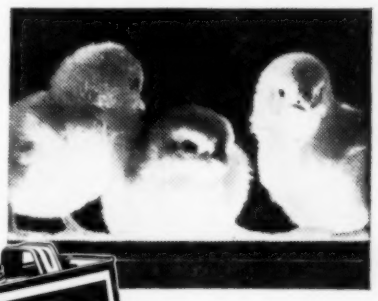
TERMITES DO 40 MILLION DOLLARS DAMAGE EACH YEAR...ON FARMS!



Fence posts made of soft wood are especially vulnerable to decay and termite damage. Most native, woodlot trees, however, will make good durable posts when treated with Phillips Wood Preserver and Mite Killer.

Phillips Wood Preserver and Mite Killer can help you save time...and money!

Phillips Wood Preserver and Mite Killer containing pentachlorophenol (a chemical used by the Armed Forces during World War II to protect wood against molds and insects) is both effective and economical to use. One gallon, it is estimated, will paint up to fifty square feet of surface, or will soak up to sixty fence post butts, depending on size and type of wood.

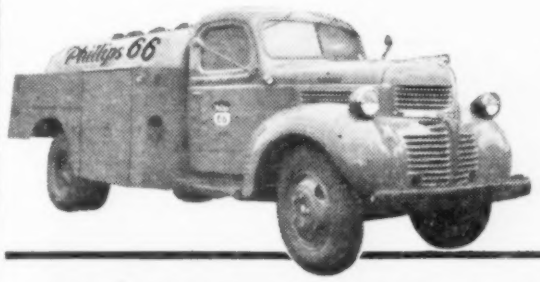


EASY TO APPLY!

No heat is needed. No pressure treatment required, as in the case of older preservative treatment for wood. Simply cold-soak fence posts, using an old oil drum or any other improvised container. Phillips Wood Preserver and Mite Killer may also be sprayed on with a large nozzle hose, or applied with mop or broom.

For more eggs and better flock vitality, poultry houses should be kept clean . . . free from chicken mites. Phillips Wood Preserver and Mite Killer is recommended for use on nest boxes, roosts, floors, joints, and cracks. One application a year should be sufficient.

A GOOD GASOLINE also can help you save time and money . . . may aid in preventing faulty engine performance. If you're looking for an all-purpose motor fuel (designed for use in truck, tractor, or car) stop at the orange-and-black sign. Phillips 66 Gasoline packs a smooth, powerful wallop in every drop. And ask your friendly Phillips 66 tank truck driver about Phillips 66 Motor Oil. He'll tell you it's a smooth oil with staying qualities . . . a good running mate for famous Phillips 66 Gasoline. Remember, too, to ask about Phillips line of practical products, insecticides, disinfectants, etc., designed specially for farm use.



Phillips 66

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HI-V-I reduces gum, sludge and varnish formations in motors to a minimum. Helps clean-up rings, pistons, valves, oil lines and filters.

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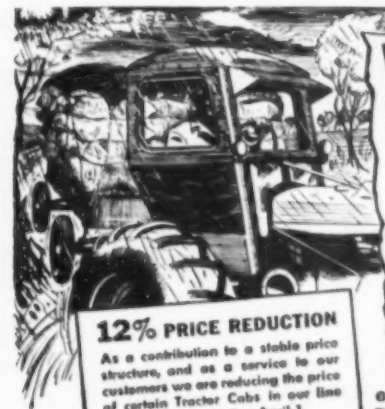

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New Tokheim Cab Gives Year 'round Protection...

You'll get more work done, regardless of the weather, with this new Tokheim Tractor Cab. Year 'round protection against rain, snow, sun, sleet. Safety glass windshield; removable front, side and rear curtains. Easily installed without special tools. All-steel construction, insulated turret top. Moderate price. Fits Farmall H and M and Case VA, VAC and VAI tractors. Available soon for other makes. See your implement dealer or write factory for folder.

12% PRICE REDUCTION
As a contribution to a stable price structure, and as a service to our customers we are reducing the price of certain Tractor Cabs in our line by 12% effective April 1.

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QUALITY TOKHEIM TRACTOR CAB

Make the weather fair and pleasant

U. S. SAVINGS BONDS BOUGHT NOW MEAN SECURITY LATER

How To Stop Rioting

Best cure for riots and revolution in hungry countries is something to eat. If we want world stability, says the Agriculture Committee of the National Planning Association, American food will have to be sent abroad for another year. Read the following statement to see why.

THE production of food has been slow to recover in countries that suffered destruction and disorganization during the war. To make the food situation more critical, northern and central Europe have experienced a severe winter-kill of crops and an adverse, late spring.

Fortunately, however, farmers in the United States have continued production at record wartime levels. This remarkable production effort, coupled with bumper crops, gives the United States a large exportable surplus, particularly of cereals. In fact, we must export.

The world-wide shortages of food now appear to be with us for another crop year. The indication is that at least 10 million tons of cereals will be required from the United States during 1947-48 to maintain even the existing low level of consumption in countries dependent upon us.

Therefore, despite the enlarged demand and the high prices that currently prevail within the United States, we believe that the United States must export large volumes of food, especially cereals.

In order not to deplete further the food supplies of the rest of the world, the United States should not draw unto itself during the next year an undue share of those scarce foods which this country imports.

To achieve an orderly procedure for handling food exports and imports during the critical period ahead, we recommend that the United States extend export and import controls on farm and food products on a selective basis for another year.

It is our judgment that controls are required on cereals, fats and oils, sugar, rice, and nitrogen for fertilizer. The controls may well be discontinued on products such as meats, pulses, poultry products, seeds and certain protein feeds.

We urge this selectivity because it is important, especially in the case of imports, that the United States begin to fit its trade into a world system along lines consistent with the proposed international trade organization.

Altho the present emergency requires a continuation of these controls for a number of commodities, we are mindful that as soon as it is possible these emergency considerations should give way to the international policy which this country is now forging with regard to foreign affairs and trade.

We further urge that the existing international allocating and programming procedure for food and farm products be continued.

We recommend that our government cooperate fully with other countries in an effort to keep the procedure as a whole from deteriorating during 1947-48.

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the disease that takes a toll running as high as 98% of INFECTED CALVES . . .

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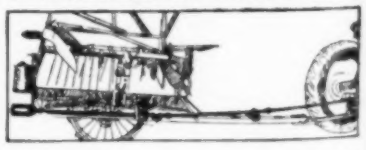

FARMERS: Convert your ground drive binder into a practical power binder with the CARLSON POWER DRIVE BINDER ATTACHMENT.

Get all the advantages of a power binder—cut full swath in any grain—cut up to 40 acres per day with half the fuel—sensitive clutch protects the mechanism of the binder—attachment eliminates many costly parts such as bull chain, sprockets, bearings, pitman shaft, etc.

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One of Northwest's oldest and largest wholesale seed companies wants farmer agents to sell well-established, well advertised quality hybrid corn and grass seed. You can make excellent commission on part time or full time selling. Build your own business from year to year! For complete details write Box 11, care of Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

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Running Water?
Enjoy An Ample Supply with a
PEERLESS
Jet
WATER SYSTEM
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Capacities: 120 to 7500 gals. per hour
For Shallow or Deep Wells to 120 Feet.

The Peerless Jet Pump takes the armwork out of farmwork! Automatically and quietly it furnishes all the running water required for dozens of vital uses throughout your farm and home. Occupies minimum space. Easy to understand. Easily installed over well or offset. For wells 2" inside diameter and larger.

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Trench hoe speeds up tiling. Outfit is owned by R. A. Young, Wright county, Iowa. Joe Arnold has his back to camera.

Farm and Feed - Lot

Poor Roughage Shorts Cows Two Ways

Milk cows that are on poor pasture need extra amounts of both protein and digestible feed nutrients. The same is true of cows getting poor hay or silage.

Many dairymen meet this situation by increasing the protein content of the grain feed.

This solves part of the problem, but not all. The cows get the extra protein that they need, but may still be short of feed nutrients.

A better way, according to some feed tests, is to increase the amount of concentrate fed per day. This meets both problems. The increased grain feed will add to the protein consumed and will also increase the total feed nutrients the cows are consuming.

This May Help You Select Oil

Do the different grades of motor oil confuse you? New designations of motor oils have been made by the American Petroleum Institute.

The three designations are given below. The proper grade for each type of motor is suggested by Dale Hull, Iowa State College engineer. But you should also consult the instruction book if you have a new car, truck or tractor.

The three designations are:

Regular Motor Oil—This is an oil with no chemicals added. It is generally suitable for use in internal combustion engines under moderate conditions of operation. This includes most farm passenger cars and trucks, as well as the farm tractor in ordinary service.

Premium Oil—This term designates an oil which has been stabilized by chemicals. Oils of this type are recommended for internal combustion engines where operating conditions are such that the regular motor oil will not give satisfactory service.

Heavy Duty Oil—This is an oil of high stability. It contains properties which prevent corrosion and help keep the engine clean. The degree of stabilization of this oil is superior to that of premium oil. It will give generally good service in high-speed diesel and gasoline engines operating under severe heavy duty service conditions.

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Clean up costly sarcoptic and psoroptic hog mange and boost your profits. Corn King Sulphurized Oil gets the mange mites, soothes inflamed hide, costs so little to use. Recommended by hundreds of veterinarians. Suitable for oiler, spray, or brushing. Ask your local dealer, or write.
By the Makers of famous CORN KING STOCK DIP
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30" x 3" 2000°F. FLAME DOES IT!
Kills stalks, seeds & roots and destroys insects at same time. Over 600,000 in use. Endorsed by leading Agri. Authorities. Disinfects Poultry House & Barns. Cracks rocks & burns out stumps. Mfg. ships at once. No. 99 includes All Steel WELDED 4 gal. tank, 7 ft. oil resist. hose, and seamless steel removable coil burner. Ready to fill with kerosene & use. Nothing else to buy. Guaranteed for one full year. Free Bulletin on request. $22.
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An IMPROVED TYPE of tractor loader powered by "balanced twin hydraulic hoists." No twist, strain or wear on hydraulic mechanism. NO belts, NO gears, NO cable or pulleys to cause trouble. Properly engineered. Tried and proven on the job. Powerful construction. Easily maneuvered.
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A Better LOADER AT A Lower PRICE!
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IF Hail STRIKES WILL YOU STILL MAKE MONEY?
The money you make this year depends on the crops you harvest to sell or feed. If hail strikes, let Square Deal policy stand between you and crippling loss. See your Square Deal agent today or write to us for his name.
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Revolutionary discovery by Procter & Gamble!

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Extra miracles in hard water!

Yes, if you have hard water, Tide is a dream come true! Tide's performance in hard water is so amazing, you have to *see* it to believe it! Oceans of suds billow up instantly—even in *hardest* water. And Tide forms no hard-water scum . . . leaves no deposits on clothes or round the tub. No water softeners needed—*Tide does it all!*

GUARANTEE

Procter & Gamble guarantees that Tide will do everything claimed for it in this advertisement. If you are not completely satisfied, return the unused portion of package to dealer, and the purchase price will be refunded.

TIDE IS A WONDER FOR CLEANING MILKING UTENSILS, TOO...

LIKE IT!

IT'S TIDE... the new washday miracle!

You have *never* used anything like Tide! There just couldn't *be* anything like it until new knowledge gained in wartime research made the discovery of Tide possible. Tide does *what's never been done before*—washes clothes cleaner than any soap, yet leaves colors brighter! The minute you see Tide's miracle suds you'll know that here's something completely NEW! Those suds *look* different . . . *feel* different . . . and even in *hardest* water, they billow up instantly!

ONLY Tide DOES ALL FOUR!

1. Washes clothes cleaner!

Yes, cleaner than any soap made! Compare Tide with any soap you may be using. You'll see! Tide gets the whole wash *cleaner* . . . even grimy work clothes! Tide leaves clothes free, not only from ordinary dirt, but from gray, dingy soap film as well!

2. Actually brightens colors!

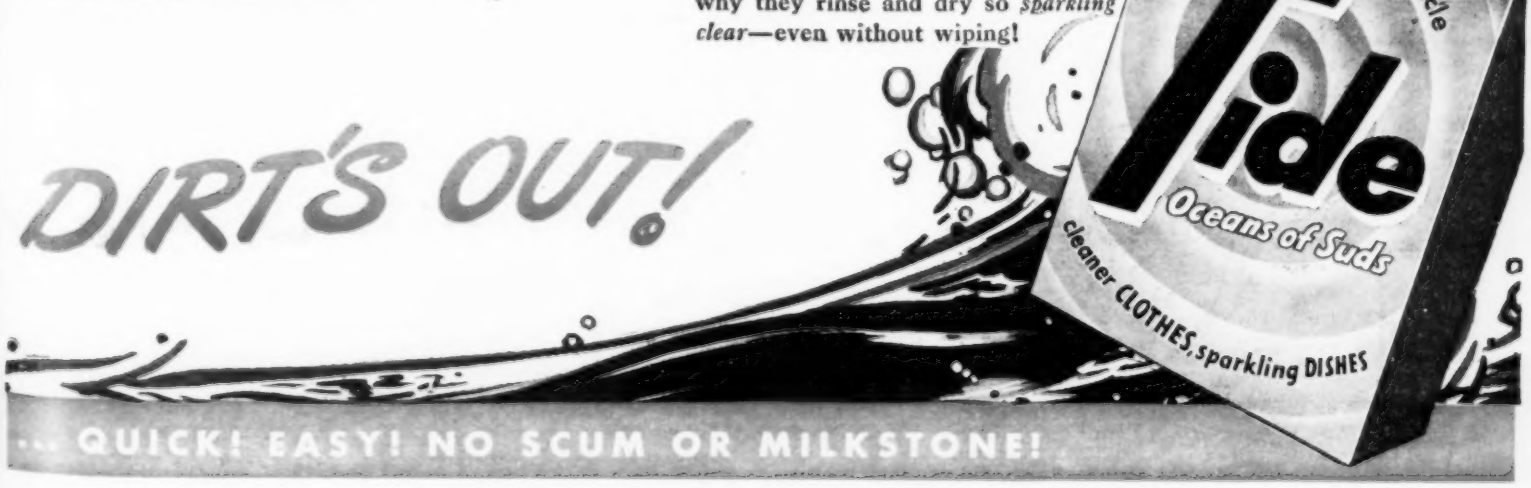
You'll be thrilled to see the way soap-dulled colors actually come out brighter after a Tide wash. With all its heavy laundry cleaning power, Tide is really *safe* for dainty washable colors!

3. Never "yellows" white things!

Tired of yellow-looking white things? Tide keeps them *dazzling white*, week after week . . . *can't* turn them yellow, no matter how often they're washed or how long they're stored! It's a modern miracle!

4. Gives more suds— prove it in your dishpan!

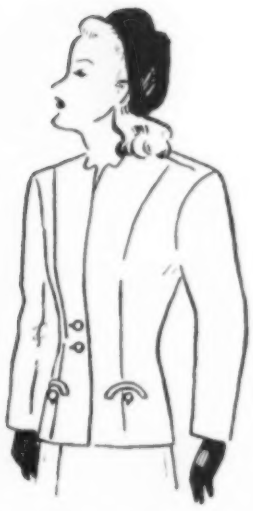
Kind-to-hands suds! Faster suds! Longer-lasting suds than any soap in *hardest* water! Tide cuts grease like magic . . . washes dishes cleaner than any soap! No scum in the water! No greasy ring round the pan! No cloudy film on dishes and glasses! That's why they rinse and dry so *sparkling clear*—even without wiping!



... QUICK! EASY! NO SCUM OR MILKSTONE!

Homemaking Department

Edited by ZOE MURPHY



No. 1—The extra material which is secured from a suit that has two pairs of trousers adds a great deal to the finished detail of the "new" suit.

No. 2—The "shortie," made from two pairs of "pinks."

No. 3—The short jacket, with a peplum, can be made from a suit that has two pairs of trousers. The buttons add a tailored look to the garment.

You Can Make Your Suit

A Farm Woman Tells How She Converts a Man's Garments Into an Outfit For Herself

YOU can make yourself an attractive new suit out of one that you can persuade your husband to part with. That is, of course, if you can do good plain sewing.

I find that they turn out beautifully if they are made neatly and correctly. You must choose a simple pattern, and watch the buttons and trimming if you want to get away from that "man's made-over suit" look.

The first step is to rip up the suit. This must be carefully done, so as not to cut or tear it in any way. Every little bit of material is used.

No. 4—It's hard to make a woman's suit out of a man's single-breasted one.

All buttonholes and the seams around the pockets must be ripped with care. Press seams flat after ripping. Press on the other side of the one you intend to use. The wrong side of a man's suit is always nicer than the right side after he is thru with it.

The most difficult suit to make is one from the conventional type, single-breasted, slit pockets, and only one pair of pants. But it can be done, and will convert nicely into your tailored suit.

When finished, the jacket will look like the one shown in Illustration No. 4.

Just leave the coat as it was, with a few exceptions. The pieces down the front are from the front coat lining, put on to hide the original buttonholes.

There is enough material (by piecing which will not show) in the trousers (after the skirt is cut out) for front facings of jacket.

Leave seams in back as they were, only seam them down to fit the individual. Cut the shoulder seams straight across, as a man's shoulder seams are higher at the neckline.

Use any regular suit sleeve pattern, and make them plain, turned back for hem at hand. Cut them as long as the material will allow, so as to have sufficient cloth for the hem.

Use big shoulder pads. Line the pocket flaps with satin from the vest. Place them directly over the original pocket and sew across top firmly, which makes a fake pocket that is pretty.

If the original pocket slot is too long, make a tiny seam at the end (next to back) and shorten slot. This will look like a dart.

Buttons are very important. Do not use original buttons if you want to get rid of that made-over effect. Self-covered buttons are the most attractive. Sometimes gold buttons are effective.

The skirt isn't much of a problem. Of course, it depends on the size and how the trousers are made. I use a three-gore back and two gores in front. A kick pleat may be put in the front or a four-inch slit.

Use the original belt, cutting it to a width of one and three-fourths inches.

Line the belt with satin lining from coat. Add zipper, button, buttonhole and hem. Turn hem up once and cat-stitch to keep from raveling.

If you're lucky enough to get hold of a double-breasted suit with two pairs of trousers and patch pockets, you can select almost any pattern. The extra material makes it possible to add to the detail of the finished suit.

My favorite pattern to use from a two-trouser suit is like Illustraton No. 1.

The back is like the front. One has more material for the skirt, also. A six-gore skirt may be used, just plain or with a kick pleat in both front and back. Pockets are made by binding: add button and buttonhole for trim.

Bolero suits are fashionable this season, and are easily cut from a man's suit. (See Illustration No. 5.)

Notice that a flared piece is put on top of skirt, and belt over seam adds much to the short jacket. The one-inch belt is attractive, with a self-covered buckle. Run the belt thru the four loops on the man's belt.

Another favorite is the short jacket with the peplum, which can be cut from a two-pant suit. (See Illustration No. 3.)

Use self-covered marble shaped buttons on front. Use a straight split skirt for this type.

I have a friend whose husband was a captain in the army flying corps in World War II. He was one of those gallant men who gave their lives overseas.

The wife was very wise, and made use of her husband's clothes with the exception of some she wanted to keep just as they were.

A bolero suit was made from his Canadian soft blue uniform; shirts from his "greens" and a very attractive shortie from two pairs of his "pinks."

The coat was finger-tip length, with a tailored collar and four patch pockets with flaps. His uniform buttons were put on the flaps. The coat was stitched twice with brown thread. No fastenings were used.

There was enough material in the two pairs of trousers to make the jacket large enough to wear over her suits.

The finished shortie was like the one shown in Illustration 2.

There are many styles one can follow. Sometimes I find it takes much maneuvering and planning to get a suit made, and it can not be done in a day.

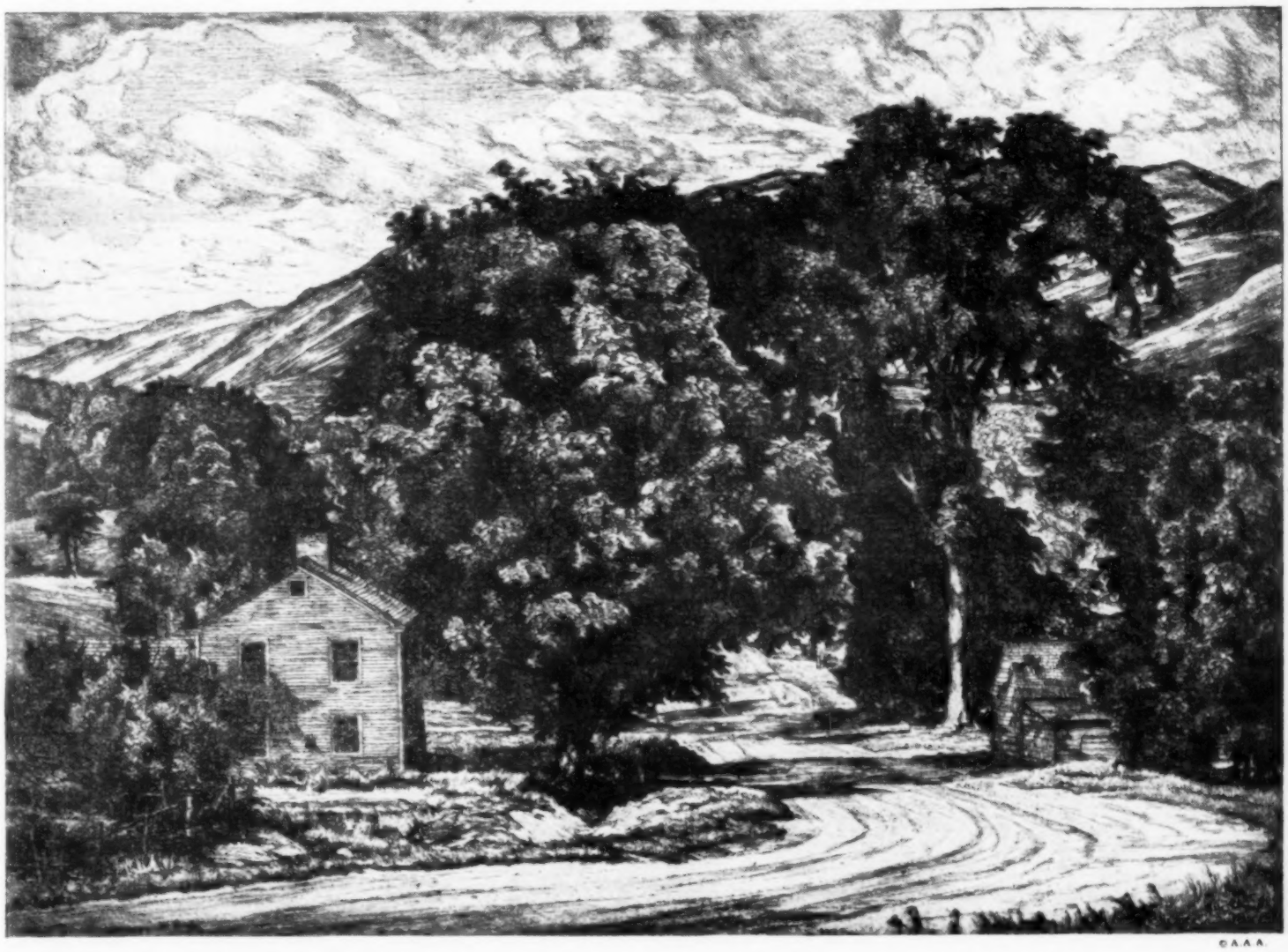
Have patience and figure to the breaking point, and it will come out surprisingly nice in the end.

Buy one and one-half yards of silk lining for the jacket.

The last process (which is almost as important as making) is cleaning and pressing the finished product. Take it to a good cleaner's and have it cleaned thoroly and steam pressed.—Mrs. James Clark, Gentry County, Missouri.

No. 5—The bolero jackets are good this year, and are easily cut from a man's suit.

"Route 7" . . . a winding road through the heart of the hills . . . massive trees in their verdant beauty . . . clustered clouds in a summer sky . . . all these are part of the American Scene. . . . . *An etching by Luigi Lucioni.*



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Throughout this nation of coffee lovers MORE PEOPLE BUY AND ENJOY MAXWELL HOUSE THAN ANY OTHER BRAND OF COFFEE

LIKE THIS PEACEFUL LANDSCAPE, Maxwell House Coffee is part of the American Scene. Its friendly stimulation and satisfying flavor have made it America's favorite coffee—enjoyed by more people than any other brand at any price. Yes, today, as always, Maxwell House is deliciously *"Good to the Last Drop!"*

Because 1. PREMIUM COFFEES, from Latin-American highlands, are skillfully selected for that unmatched Maxwell House blend.

Because 2. EXPERT BLENDING—by master craftsmen, gives Maxwell House *mellowness . . . vigor . . . richness . . . full body!*

Because 3. RADIANT ROASTING develops the *full* flavor goodness of every bean in the blend—evenly, through and through.

Because 4. VACUUM PACKING seals it in, roaster-fresh, at the peak of its perfection. No air can get *in*—no flavor can get *out!*

Tune in . . . Maxwell House Coffee Time . . . George Burns and Gracie Allen, NBC, Thursday night.

GOOD NEWS! Available again in three grinds: Regular, Drip, and Glass-Maker.

Good to the Last Drop!

MAXWELL HOUSE, TOO, IS PART OF THE AMERICAN SCENE

Ready For The Gay Summer-Time

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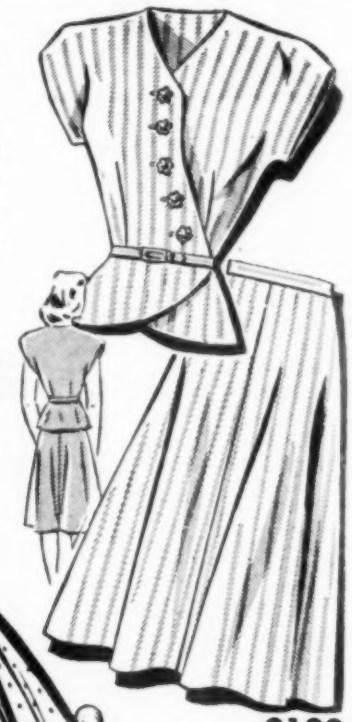
2-8 yrs.

No. 8164—Two harmonizing fabrics team up nicely for this pretty yoked dress for a miss of 2 to 8. Comes in sizes 2, 3, 4, 5, 6 and 8 years.

No. 1601—Mother will love the sewing ease of this adorable drawstring frock. Choose a bright flower print and soft ribbons. Sizes 1, 2, 3, 4, 5 and 6 years.

No. 8160—Simple yet smart—youthful two-piecer that fits like a dream. Unusual buttons give a professional finish. Sizes 11, 12, 13, 14, 16 and 18.

1601
1-6 yrs.



8160
11-18

1638
11-18

No. 1638—Just the thing for summer romancing. An exciting date dress with slanted closing, gay pleated skirt. Sizes 11, 12, 13, 14, 16 and 18.

No. 1503 — Graceful and slimming lines accent a cool, dressy afternoon frock that your friends are sure to envy. Sizes 32, 34, 36, 38, 40, 42, 44 and 46.

1637
34-48

No. 1637—Flattering the more mature figure is this daytime frock that features gentle scalloped edging. Sizes 34, 36, 38, 40, 42, 44, 46 and 48.

No. 8169 — Well-mannered shirt-waist dress that goes everywhere all summer. Note cool extended shoulders. Sizes 12, 14, 16, 18, 20, 40, 42.

8169
12-42

1503
32-46

No. 8163—Dainty scallops add a feminine touch to this bare midriff play set. Dirndl skirt to match. Sizes 10, 12, 14, 16, 18 and 20.

1641
12-20

8163
10-20

No. 1641—Just one yard of material is required to make each of these very clever blouses. They are a welcome idea for vacation wardrobes. Sizes 12, 14, 16, 18 and 20.

Send for the summer issue of FASHION. It's filled with ideas for smart summer wardrobes. There are many special features in this new book. There are ideas, directions and helpful hints. It also contains a free printed pattern. And all may be had for 25 cents in coin or stamps (coin preferred).

Patterns may be secured for 25 cents in coin or stamps (coin preferred). Send your orders to the Pattern Department, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa. There are sometimes unavoidable delays in mailing, so be sure to order in plenty of time to receive patterns when wanted.

COOKERY CORNER

Rose Foam Dessert
(Very attractive)

2 cups of water
4 tablespoons of cornstarch
⅔ cup of sugar
3 egg whites
¼ teaspoon of salt
Flavoring

Let water boil, add cornstarch dissolved in cold water and cook two minutes. Add sugar and salt and continue to cook until clear. Remove and color pink to suit your taste. Let stand until cooled. Fold in the whipped egg whites. Add two sliced bananas. Pile in sherbet glasses and top with whipped cream.—Mrs. E. P. Hoy, Monroe County, Iowa.

Cottage Cheese Salad

1 package of lemon jello
1 package of lime jello
1½ cups of cottage cheese

Dissolve the lemon jello in two cups of hot water and pour in a shallow container. When set, add the lime jello made in the same manner and cooled and to which the cottage cheese has been added. Makes a pretty salad for a party.—E. P. H., Monroe County, Iowa.

Orange Drop Cookies

⅔ cup of ground orange and juice
½ cup of shortening
¾ cup of sugar
2 egg yolks, beaten
½ teaspoon of salt
1¼ cups of sifted all-purpose flour
1 teaspoon of combination baking powder
2 teaspoons of grated orange peel

Cut whole, unpeeled orange in quarters and run thru food chopper. Cream shortening and sugar together. Add beaten egg yolks. Sift together the sifted flour, baking powder and salt; add to the creamed mixture alternately with the ground orange and juice. Mix well. Drop by teaspoonfuls onto greased cooky sheets. Sprinkle with grated orange peel. Bake in a 375-degree oven for 15 minutes. Yields three dozen cookies.

Veal Pot Pie

2 pounds of veal
4 tablespoons of shortening
4 tablespoons of flour
2 cups of milk
½ teaspoon of salt
¼ teaspoon of pepper
1 recipe of biscuit dough

Simmer veal in slightly salted, boiling water to cover, about an hour and a half, or until tender. Remove meat from broth, cool and cut into cubes. Melt shortening, blend in flour, add milk gradually, add salt and pepper. Simmer until thick, stirring occasionally. Combine sauce with meat. Prepare biscuit dough and line a well-greased baking dish with dough rolled to one-eighth inch in thickness. Add meat mixture, top with half-inch strips of dough. Bake in a 450-degree oven for 30 minutes, or until brown. Serves eight.

Strawberry Festival Pie

2 cups of fresh strawberries, crushed
1 cup of sliced bananas
½ cup of honey
2 cups of corn flakes
1½ cups of whipped cream
Pinch of salt
Coconut

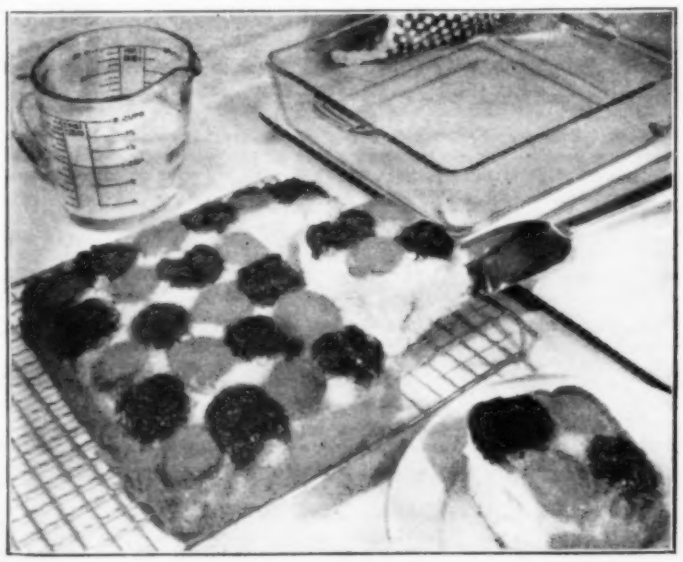
Combine all the ingredients except the whipped cream. Add one-half cup of whipped cream to this mixture, gradually folding it in. Pour into a baked pastry shell and spread the remainder of whipped cream on top. Sprinkle with coconut and chill — Florence Neely, Madison County, Iowa.

Checkerboard Upside-Down Cake

Put three tablespoons of butter in an eight-inch heat-resistant glass square cake dish and set dish in oven to melt butter. Remove from oven and spread one-fourth cup of brown sugar evenly in bottom of dish with melted butter. Remove pits from 18 cooked dried prunes and 18 cooked dried apricots, cut-side up, in checkerboard design, on sugar and butter.

For the batter, cream one-third cup of shortening and beat in three-fourths cup of granulated sugar gradually. Stir in one egg. Sift one and three-fourths cups of sifted cake flour, two teaspoons of baking powder and one-fourth teaspoon of salt together and add to shortening mixture alternately with two-thirds cup of milk. Stir in one teaspoon of vanilla extract.

Pour batter on top of fruit and bake in a 350-degree oven for about 45 minutes. Serve pieces of cake upside down with whipped cream.



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2

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Keeps in the cupboard

Ready For Canning?

It Won't Be Long Now. It's Time To Make a Check-Up

FOOD preservation time will be here soon. Will you be ready for it?

First, why not make a list of all the foods you plan to can or freeze? Then you will be sure of putting up the right quantity of each kind. Perhaps you will want to include a few products which you have never canned before.

You will need to do a little figuring to determine how many quarts of each you need. But it pays. Fresh packs are always better than hold-overs.

With planning, you won't be running out before the next garden crop comes in—or having to live on string beans or cucumber pickles.

Go at it this way: First decide at how many meals you are likely to serve a certain food this month. Tomatoes, for example. You may want them four or five times a week—say 18 times in a month.

There are six to eight average servings in a quart. So one person might require three quarts each month. And you'll need to allow for seven to nine months. Three times nine equals 27 quarts per person.

Now multiply by the average number of persons in the household, and you have the number of quarts to list on the canning budget. (Figure about half of the quantity for children under six years.)

You'll also want to check your equipment before canning time. If you have a pressure cooker (which is considered indispensable by the modern homemaker), it will need special attention.

The pressure gauge must have its annual test for accuracy. Otherwise, you can not be sure of canning temperatures. Most county extension offices have a master gauge to test it against—or your dealer can send it away to be tested.

Next, start up your cooker and test for leaks. If steam escapes around the lid, it is hard to keep an even temperature, and liquid may escape from the jars. If the lid has a rubber gasket, try turning it over or stretching it. You may need a new one.

If cooker and lid seal metal to metal, greasing with a bit of vaseline may stop small leaks. Or it may need to be sent in to have the edges reground.

Be sure the small holes in the lid, leading to pressure gauge and pet-cock, are open. Get a pipe cleaner, like smokers use, to clean them. Remove the pet-cock and clean in kerosene, taking it apart where possible. See that the spring works properly.

The tip of the valve must be clean and bright—but don't polish with abrasives. It might cause scratches so the valve would not seat tightly. Then wash with soap and hot water.

The pet-cock is important, since it is the safety valve of your cooker. If questionable, see your dealer about a new one.

Tin cans are ideal for pressure cooker work. A cooker holding only seven quarts or nine pints in glass will take 10 quarts or 16 pints in tin.

Tin cans do away with worries about breakage or loss of liquid. Pressure may be let down more rapidly, when processing is completed. Rapid cooling of the cans is possible, which insures better keeping.

A sink or tub is filled with cold water and the cans placed in it. If sealing was properly done, each can will give a resounding pop as the ends snap in.

The tool needed is a $15 tin can sealer, which should be clamped to a solid table. The new models provide for quick change to take cans of different sizes.

Tin cans are either plain or enameled. The latter is to prevent discoloration of certain products thru contact with the tin.

Before you start canning, make sure to have methods in mind and directions close at hand. Canning is down to an exact science, with processing times worked out carefully for each product.

Are you ready for canning? Mrs. James Weatherspoon, Polk county, Iowa, made her preparations well in advance of the canning season.

Mrs. Glen Hubbard, of Story county, Iowa, planned for a convenient kitchen after a fire had gutted their home. The fire wasn't an entire loss, for Mrs. Hubbard got a better kitchen when the house was rebuilt.

Few Folks Can Build

More Folks Can Remodel and Nearly All Can Rearrange an Unhandy Kitchen

"WHAT can I do about my kitchen?" The letters keep coming in from women who feel that they have to use too much energy just keeping up with their kitchens. Sometimes it's a poorly arranged kitchen, or a cut-up one with too many doors and windows. Perhaps it has a catch-all pantry or other drawbacks.

Not many can have a new house with a chance to plan a kitchen right from scratch. But there are a lot of women who mean to do a good job of remodeling kitchens right away. And then there are still more who can make more convenient kitchens simply by reorganizing equipment.

We can not plan individual kitchens, but we do have a booklet which we call "Cut Your Kitchen Mileage," that does help correct some of the major defects that can be found in many kitchens.

In many farm houses there are problem kitchens that can be fixed up with a little planning. We've tried to cover a good many of the problems in our booklet.

In the cupboard section of this booklet, you'll find actual photos of convenient built-in features, including food preparation centers, cleaning supply closets, dish cabinets, etc., with places provided for everything you need and in the places you need them.

Detailed diagrams are contained in the book, and if your husband is handy with tools he can follow them.

But we didn't stop with kitchens, altho we feel they come first in any remodeling job. We know that the dream of many women is to have plenty of closets and storage space. I don't know why so many houses have been built without adequate storage space.

So with this in mind, we have prepared a booklet called "Closets For Convenience." It has a great many suggestions for the rebuilding of old closets, as well as the planning of new ones.

There are plans for wardrobe closets that provide hanger space as well as drawer space. There are walk-in closets and front-opening closets. Perhaps you can not have them all, but if you get one good idea for making your home more comfortable and convenient, it has been worth the time.

Every farm home should have a good supply of storage space, to save the time and energy of the homemaker as well as to preserve her good disposition.

Get These Booklets Now

YOU WILL FIND THEM OF GREAT VALUE IN REMODELING

Cut Your Kitchen Mileage . 25 Cents

This is a booklet every farm homemaker should have. There are many suggestions for planning the kitchen to save time and steps. And there are also diagrams and dimensions for cupboards and drawer space.

Closets For Convenience . . 25 Cents

This booklet tells you all about closets and space for storage. It contains many suggestions for the building of new closets and for rebuilding old ones. There are also many pictures and diagrams to help you out.

Send your letters, with the money, to the Home Building Service of Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

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Here's a Promise of Extra Enjoyment from the Extra Rich Flavor of Choicest Mountain Grown Coffees, The Utterly Individual Folger Flavor

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The first and most noticeable Folger Flavor quality is *vigor!* There is such intensity of flavor in the Folger blend that it quickly makes so many other types of coffee taste thin and flat by comparison. So remember—Folger's is *vigorous* flavored!

Then you will notice there is real "body" to the brew—yet it is *not* heavy. That is another tribute to the richness of flavor of this coffee—Substance—a stand-by-you effect *without* heaviness!

Then you will certainly notice the zip and tang of the Folger Flavor. That quality is a precious advantage of the Folger blend and is directly traceable to certain very rare varieties of Mountain Grown Coffees.

It is a flavor quality that has been described as "supercharged" with goodness.

Look for these extra flavor qualities when you try Folger's Coffee—and expect to discover the absolute utmost in coffee enjoyment!

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TRY USING 1/4 LESS COFFEE PER CUP

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With Folger's, Three Spoons Full

Make Four Cups Full

There's a mountain of Flavor in every spoonful

★ *Regular grind*
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★ *Pulverized grind*

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BUY BONDS AND STAMPS TODAY !!

COUNTRY AIR

By ELIZABETH C. WHERRY

"WELL, there!" says I. "I've put spade to soil this spring, anyway." Just moving a rose bush, a young spirea bush and a clump of memorial daisies to spots considered more appropriate gave me that sense of well-being that can come only to those who dig the earth and grow a little drunk with its fragrance.

* * *

A man I know used to say that farmers lacked the carnival spirit. I don't know what he thinks now, because I don't know whether or not he was at the WMT Clean Plowing Contest at Earl Elijah's.

* * *

Maybe it wasn't the carnival spirit, but certainly the estimated 40,000 people on hand were injecting a fine spirit of entertainment into the process of being educated.

* * *

But I was vastly interested in the two miles of cars creeping along under the watchful eyes of numerous state highway police.

* * *

They weren't all new cars, yet when parked in tidy rows over Earl's brome and alfalfa meadow, they sparkled in the thin April sunshine like orderly tumble-bugs resting a while.

* * *

Over at the left was more color. Flying farmers, commercial personnel or officials of something or other, parked their wide-winged birds in a separate field.

* * *

And then the lines of snorting, panting tractors—some new and shiny, some old and rusty—leading gleaming plow-shares down their appointed lands.

* * *

Poor old Dobbin! And Prince and Daisy! Gone—all gone! I am glad Lewis Penningroth is putting the old family horses of Red Oak Grove into his book.

* * *

We keep saying that the stories of Grandpa's generation are already second-hand. You local historians, put down those stories about Bird and Rosie and Coaley and Maude, Old Luce and Old Bill, right now.

A few more years and the good, rich stories of our faithful old buggy horses and work teams will be second-hand, too.

* * *

Penningroth is putting Florence Little in his book, too. She's the country school teacher I told you about a column or two ago—the one who told the thrilling stories about the "sounds" of "h" and "s" and "t" and the "at" and the "ed" families.

* * *

To be sure, it's a fascinating, mechanical age, but nothing yet replaces people for real interest.

* * *

There's nothing like meeting friends you haven't seen since before the war, from five counties away, catching sight of big-wigs, or seeing radio names in person.

* * *

Or marveling at Rex Conn's svelte figure. He says it came from hard work—70 speeches last winter. By which sign I should have accepted more speaking engagements this spring. Or seeing Truman Stanton explain the seeder thing on his tractor at the gadget show.

* * *

Or seeing Mrs. Les Nicoll slap meat into the sandwich bread, or Mrs. Floyd Siver trying to find the cream under the dust that blew into the pitcher.

* * *

There was Mrs. Will Reese inquiring about sweet corn seed. There was Julius Van Sickle drinking coffee with my husband.

* * *

It may not be exactly the carnival spirit that has brought out the big crowds to the women's meetings I've attended this spring. But they have loved meeting each other, seeing the new hats and the gay tea-tables, asking about the new baby, and how the GI son and his wife are making out on the farm.

* * *

It's a comfort to know there is money enough on hand to make these holidays possible, even with a late season dogging everyone's footsteps.

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FREE *booklet, "The Modern Way to Better Home Canning" Address Dept. 4727*

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No Crowding is the secret of success in the brooder house. Morley Heath and son, Donovan, Wayne county, Iowa, have ample space for 240 chicks. So they lost only one in first five weeks.

THE FARM FLOCK

BETTER EGG PRICES than expected are causing some farm flock owners to take another look at production plans. More are thinking about raising late pullets.

▲ ▲ ▲

PROSPECTS on egg price do look better. Consumer demand continues strong. Government buying of dried eggs for export still is fairly heavy. As a result, not many eggs have been moving into storage, and storage stocks are far below a year ago. Chick numbers are down, too—around 3 per cent for Iowa, a little more for the country as a whole.

▲ ▲ ▲

THESE FACTORS alone point to fairly strong egg prices into next fall and winter. It all depends on consumer buying power. If city pay rolls stay high, more pullets ought to be good business. But if city folks have less cash to spend next winter, late chicks could be a headache to flock owners.

▲ ▲ ▲

BEST ADVICE probably is to raise some late pullets if you are equipped to handle them properly. Don't forget that it isn't easy to raise good, strong chicks late in the season. And you won't gain anything if you end up next fall with overcrowded laying houses.

▲ ▲ ▲

CLEAN UP your brooder houses just as good as you did for your early brood. It will take a closer watch to keep brooder temperatures just right, too. Late chicks must have their own clean range. Mixing ages will slow down the early flock.

▲ ▲ ▲

ABOVE ALL, don't try to house early and late pullets at the same time. Be sure you're going to have ample laying house space before you start more pullets. For best results, layers of light breeds need three square feet of floor space, heavies need three and one-half.

▲ ▲ ▲

MANY POULTRYMEN still are doing a poor job of providing good grass range for young birds. Good range is a sure way to raise sturdier chickens. But the same old lot around the brooder house isn't the answer. To do the job right, you need clean pasture that hasn't been used by chickens for several years.

▲ ▲ ▲

HOUSING, FEEDING and watering of poultry on range are not as difficult as you might think. It might seem like a lot of trouble to move the brooder house out to the pasture, especially if the house has been wired for electric brooding. But you don't need to move it. Simple range shelters with wire floors and walls provide adequate housing for pullets on range.

▲ ▲ ▲

A GOOD WAY to handle straight-run young flocks is to move pullets to range and leave the cockerels in the brooder house. That will give both groups plenty of room. And you can do a better job of feeding cockerels up to market weights.

▲ ▲ ▲

BULK RANGE feeders and automatic barrel waterers, holding a week's supply of feed and drink, will solve the problem of how to care for pastured pullets. If possible, both feeders and fountains should be placed in the shade of trees, bushes or corn field.

▲ ▲ ▲

MAY USUALLY is the year's high point in Iowa egg production. In 1940-44, on the average, Iowa hens turned out 13.2 per cent of their yearly production in May. This compared with 13 per cent in April and 10.6 in June. From June on, production dropped rapidly to its low point of 4.5 per cent in November.

▲ ▲ ▲

CROWDING of chicks probably is the No. 1 reason for failure in the poultry business, believes W. R. Whitfield, Iowa State College poultry specialist. He says many flock owners can't get used to the idea that each chick should have one-half square foot of floor space in the brooder house. That looks like too much room at first, but it is needed as the chicks grow.

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1 BE RIGHT WITH YOUR FEED! Occident Chick Starter is a balanced ration of necessary proteins, vitamins, including "sunshine" vitamin D, and minerals. Ask your OCCIDENT feed dealer for this quality feed. Be right. Give it to your chicks and watch 'em grow right from the first day.

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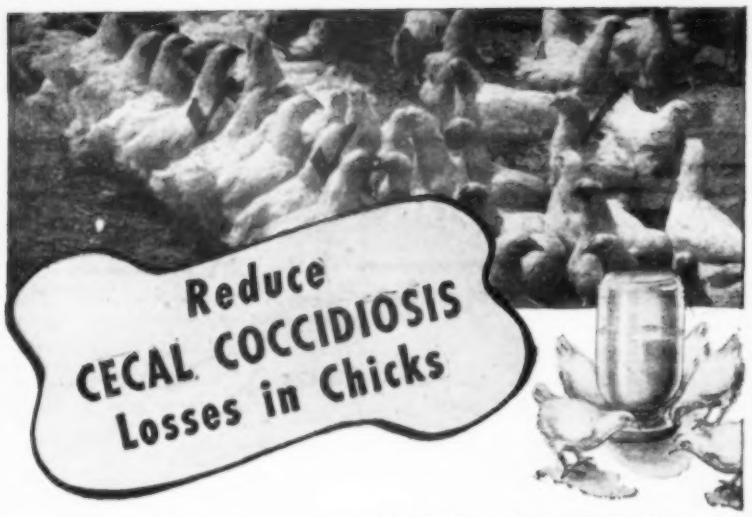

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Now you can *easily* prevent the spread of *cecal (bloody) coccidiosis* in your flock with Dr. Salsbury's Ren-O-Sal in the drinking water. Reduced losses in thousands of flocks last year. *Praised* by poultry raisers, everywhere.

Give your chicks 8 Ren-O-Sal tablets to each gallon of drinking water upon the *first signs* (bloody droppings) of cecal coccidiosis. So *easy* to use. Just drop *handy* tablets into the water; *mix thoroughly*. No complicated handling. *Economical. Safe* in any waterer—even metal.

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Used *regularly* in the drinking water, 2 tablets to the gallon, Ren-O-Sal gives your chicks these tonic benefits: *faster growth, quicker maturity, earlier egg production.* These benefits have been substantiated using customary feeds.

It's wise to give your flock Ren-O-Sal's many benefits. Use it *regularly* in small doses for *faster growth;* keep it handy for *quick help,* in large doses, when cecal coccidiosis strikes. Buy *Dr. Salsbury's* Ren-O-Sal at hatcheries, drug, feed, other stores.

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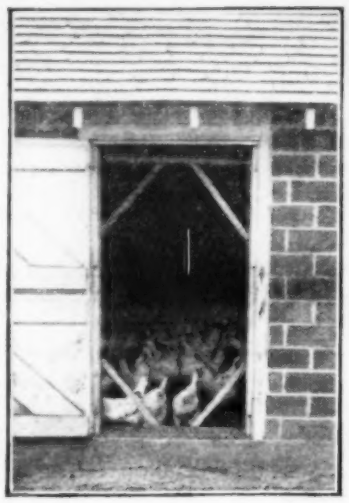

Mesh over door gives hens more air. Art Brinkmeyer, of Hardin county, Iowa, gets more eggs by keeping layers shut up.

Sarah Jane Says:

Much Work To Do

To the Editor: As with everyone else, unsettled weather last month really put us behind in our work.

It was April 23 before the oats were in, and the grass seed was sowed the Monday following. We still had to haul manure, make garden and plow fields for corn.

As for me, the last half of April was a busy time, too. One item that used up about three days was painting the dining-room.

I went to see some relatives one Sunday and came home the next day. Their 300 little chicks were shipped that day, unexpectedly. They had them in the brooder house, all cozy under an electric brooder.

I will have my chickens before long. But now I'm like the woman who said that when she didn't make biscuits she didn't know what to do with the extra time when she was getting the meal.

Well, when I'm choring around there is time I've always used for chickens that now makes me feel I have forgotten something.

But I'm going to have to get ready for the chicks, so I won't have much more vacation.

Right now there seems to be a skunk under the brooder house. But we'll let him work on the rats in the barn and corn crib before we move the house. And I want the house up off the ground, too, so the dogs can get under it and keep varmints out.

They tell of mink and 'coons down here, so I want the house tight enough to protect the chickens.—Sarah Jane, Clarke County, Iowa.

U. S. Will Support Turkey Prices

Prices of 1947-crop turkeys will be supported by government buying of dressed birds during the period from October 1, 1947, thru January 13, 1948.

Support prices, to be announced about October 1, will give turkey producers a national average price of 90 per cent of the September 15 parity price.

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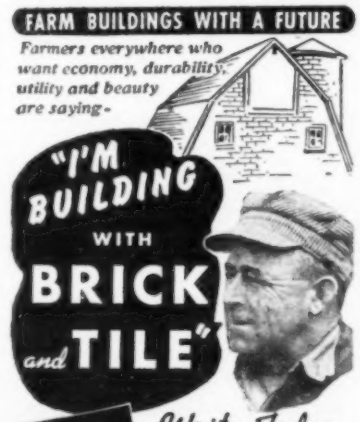

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Keep Or Sell Hens?

Prospects Look Good For Summer Eggs

WHAT will you do with your old hens? It's time now to decide whether to keep them thru the summer or sell them early.

In the past few years, we've sold our hens as soon as the hatching season ended. But, with the price of eggs going up, we may change the system this year. We feel it might pay to keep the hens thru until such time as we need to clean the laying house for pullets.

That time comes fairly early for us. It is when the chicks begin to seem crowded in the brooder house. We like to move them into the laying house and let them mature there. It's much simpler when they start to lay if they are properly housed first.

We are culling all the time. We take out the hens that want to sit as soon as we are sure they mean business. They are sold before they begin to lose weight. This system goes a long way toward preventing broken eggs in nests.

We expect to clean droppings pits and remove deep litter this week-end. That will make the house more pleasant as hot weather comes on.

There are three rooms in our laying house. As the flock culls smaller, we will shut off the room farthest from the feed room. This can be cleaned and made ready for the young flock.

Later, the middle room will be cleaned, and by the time we dispose of the last of the old flock it will not be long before the pullets start to lay.

If you want your flock to continue to lay, don't turn them outdoors too early in the year or the day. Never let them out (other than on the sun porches) before noon.

When it is very hot, we let them out after noon. It is better not to do it before 3 or 4 o'clock in the afternoon.

Hens lay better if they have to eat mash and grain. A run of a couple of hours supplies plenty of green feed and exercise. (For other ideas about keeping hens shut up, see page 40.)

Of course, this depends on your housing conditions. If your house is poorly ventilated and dark, you would be better off without summer hens. They won't lay enough to pay if you let them range too freely.

And no poultryman would want to house his hens too closely when it is hot if conditions are not favorable.

Don't forget the shell and grit. This applies to old and young birds. It is very important to the digestion of baby chicks.

You can keep a hopper of grit in every house and still not find consumption very satisfactory. But if you sprinkle it over every feeder every day, you will be surprised at the quantity which your chicks will consume.

The grit acts as teeth for the little fellows and also supplies the needed calcium.

Your hens will not make eggs unless they have both shell and grit. They can not always find satisfactory substitutes in our Iowa chicken yards.

You know that an egg will not be laid unless every component part of its make-up is present. A plentiful supply of water and shell and grit is just as important as the feed itself.

Don't keep non-producing flocks thru the summer months. If the birds quit laying early, they will start late in the fall. I don't know what the reason is for this unless the early quitter is just a poor-type bird.

Feed is high in price. So by all means try to feed it only to worthwhile stock. No other kind, young or old, is profitable.—M. B., Jasper County, Iowa.

HIRED HAND HARLEY—He Always Tries To Get To the Bottom of Things

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1. Low Mortality
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NEW FACTS

to get your chicks off to a fast, healthy, profitable start. Twelve well-known brands of chick starters were tested by our poultry nutritionists on typical batches of chicks. Careful records showed that Sargents produced MORE gains—at LESS feeding cost than the average of all 11 others—and with very low mortality. Get your chicks off to a REAL start—with Sargent's 3 plus advantages. Ask your dealer for

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Junior Plant Farm, Gleason, Tenn.

Why Turn Hens Out?

Doesn't Pay To Let Them Range For Feed

DO YOU turn your laying flock out into the barnyard to rustle for feed? If so, you're losing money.

Hens will lay more eggs in summer if they are confined to laying houses or sun porches, says W. R. Whitfield, Iowa State College poultry specialist. Records kept by flock owners show that it just does not pay to let the layers run loose.

Yet many farmers still do not believe in keeping the hens shut up. Why?

Need for sunshine and exercise usually is given as the main reason for letting birds range. Whitfield's answer is that properly constructed laying houses allow plenty of both exercise and sunshine.

Besides, he says, confinement promotes contentment. And it is the contented flock that lays best.

He doesn't think hens pick up enough waste grain around feed-lots to make ranging pay. A laying hen eats about 100 pounds of feed a year. With a flock of 200 birds, that means 20,000 pounds a year.

But only 500 pounds of waste grain or green feed can be saved from feed-lots or around buildings, Whitfield says. The other 19,500 pounds must come from the granary and feed-bag anyway.

So the small amount of feed picked up isn't worth the time and effort of cleaning eggs dirtied by hens coming to the nest from a muddy barnyard. And some eggs are lost in nests hidden out in the barnyard.

Flock records kept in cooperation with the extension service last year show that confined flocks outyielded loose flocks by 17 eggs per bird.

In a demonstration test, 24 flocks were allowed to range over the farmstead thruout part of the summer. They were confined all winter and a part of each morning the rest of the year.

Thirty flocks were confined the entire year, either in the laying house or in a sun porch.

The confined hens averaged 195 eggs. The birds that were allowed to range averaged only 178 eggs.

Lime Reconditions Deep Litter

Ordinary hydrated lime will keep deep litter in brooder and laying houses in better condition. Tests at the Ohio experiment station show that lime will bring damp and packed litter back to a loose, dry condition.

In the Ohio tests, lime was scattered over the litter at the rate of 10 to 15 pounds per 100 square feet of floor space. This was done at intervals of two to four weeks or longer, depending upon litter condition. A light covering of fresh litter was scattered over the lime and both stirred in with the old litter.

By the use of lime and frequent stirring, litter was kept in good condition without removal for 12 to 16 weeks, even when the weather was damp.

Their Flocks Lay At High Rate

To the Editor: I can go Mrs. Clifford Miller, of Boone county, Iowa (who gets 120 eggs a day from 200 pullets), one better. I have 163 big-type Leghorn pullets and get from 124 to 128 eggs per day.—Mrs. J. D. Teague, Lincoln County, Missouri.

To the Editor: I can top that. I have only 150 pullets and hens and get from 120 to 132 eggs per day.—Mrs. P. E. Bushmore, Winneshiek County, Iowa.

Good management of poultry pays off.—Editor.

PAW TUCKER—Paw Should Teach Them Not To Lay All Their Eggs In One Nest

HENS DYING

IN THE NESTS? or under the Roosts?

Don't Take Chances! DEAD HENS are just so much profit and investment LOST.

LOOK FOR CHOLERA or TYPHOID
At the first sign of CHOLERA or TYPHOID act quick! These diseases often endanger the entire flock.

GIVE FOWLTONE
IN THE DRINKING WATER
In any type fountain. Dr. Jespersen's FOWLTONE Concentrate is used by thousands. Prices—For 100 Hens, $2.75; 200 Hens $5.25; 400 Hens, $9.75. Also for chicks of any age—great tonic benefits.

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If he is out, to save time we will ship FOWLTONE direct to you at above prices prepaid if check or M. O. with order—or C.O.D. and you pay delivery charges. Attractive proposition for established dealers.

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Protects Flowers — Fruits — Vegetables
Black Leaf 40 kills aphids, leafhoppers, leaf miners, most thrips, young sucking bugs, mealy bugs, lace bugs and similar small insects which swarm by the millions and suck the life out of plants of all kinds.

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LOW-COST HOUSING
available right now. Sizes, plans to suit your needs. Garden Cottage, 18x40 ft., 2 bedrooms. Master Cabin, 18x24 ft. Ad-a-Room Cabin, 18x12 ft. Insulated, good-looking, easily erected, sturdy, durable.

POULTRY, HOG HOUSES, UTILITY BUILDINGS also ready for delivery. See your dealer or write direct.

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White, Buff Leghorns, Anconas, Rocks, Wyandottes, N. H. Reds, Orpingtons, $12.90. Sexed Leghorn Pullets. Also sexed chicks. AAA Mammoth per chick higher. Get complete prices. Heavy Assorted, $7.95. Light Assorted $6.95. Leghorn Cockerels $1.95. Collect.

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Relieved in 5 minutes or double your money back
When excess stomach acid causes painful, suffocating gas, sour stomach and heartburn, doctors usually prescribe the fastest-acting medicines known for symptomatic relief—medicines like those in Bell-ans Tablets. No laxative. Bell-ans brings comfort in a jiffy or double your money back on return of bottle to us. 25c at all druggists.

Animals and Insects Like Gardens, Too

Several Ways to Protect Vegetables Are Told by Gardener of Warren County, Iowa

YOUR garden labor must be defended against all natural enemies. Common garden destroyers are numerous, and constant vigilance is always necessary.

Four-legged animals, not household pets, are often numerous enough to be very destructive. Mice, 'coons, rabbits, 'possums and groundhogs all love garden products. These animals, as well as humans, relish and require fresh, crisp vitamins of the vegetable world.

Field and garden mice are easily destroyed by the careful use of poisoned grain dropped into holes or otherwise placed where it will not be found by poultry or birds.

Larger rodents are not so easily controlled. They are not readily trapped or poisoned. A good fence, tight and high, is usually effective protection. A wide-awake dog may do less damage than the animals he will frighten away.

In careful hands and in locations where safety precautions permit, a small-caliber rifle will often put a sudden end to the destructive life of garden marauders.

Common garden insects are silent and less spectacular destroyers in the garden. Their presence oftentimes goes unnoticed until their damage is irreparable.

Keen observation will help detect the tiny insects or their eggs in time to use precautionary measures to prevent serious injury.

A poll among gardeners would probably favor the common cut-worm as the most numerous garden insect pest. An ounce of prevention is worth a pound of cure.

The regular habit of late fall plowing of the garden will prevent most of the cut-worm activity. But for now, other methods must be employed to minimize the activities of these pests. Cool, damp weather favors their work.

Generally, cut-worms make their presence known by doing a neat job of cutting off a cabbage or tomato plant. A little careful digging around the plant may enable you to put an end to this one individual worm.

Other worms are doubtless in the neighborhood, and will follow suit in doing destruction unless preventive measures are devised promptly.

Cut-worms can be poisoned, but birds may be poisoned along with them. A miniature fence made of three or four-inch strips of tin or roofing material, bent around each plant, will protect it. The obstruction must be pressed down to two or three inches below the ground surface.

Other destroyers must not get away scot-free. Plants of the cabbage family usually suffer from the effects of the common cabbage worm. Their ravenous appetites bring about their own destruction.

While plants are young, their enemies can be poisoned with a favorite dusting preparation of one part lead arsenate, one part tobacco dust and eight parts of hydrated lime.

As cabbage, cauliflower, broccoli, brussels sprouts, etc., approach the edible stage, the lead arsenate should be discontinued and good use made of the newer dual-purpose dust called rotenone. While it is harmless to humans, it puts both leaf-eating and sucking insects out of business.

It is next to impossible to do a thoro job of dusting some plants without a really effective dust-gun to force the preparation into all parts of the plants.

The lead arsenate mixture is good for use on potato and other plants, and will stop practically all leaf-eating insects. It is the most effective single insect control preparation yet discovered and is useful during the entire growing season.

DDT is receiving wide publicity as a new miracle-working insecticide. People should cooperate in its use to destroy the house-fly.

The amateur gardener should treat DDT with respect and caution. You definitely don't want to eat something recently sprayed with either DDT or lead arsenate.

For common purposes we suggest sticking to time-tried insecticides except in cases where the new insecticides have been tested and found safe and effective.

Vine crops are often stunted or destroyed by plant lice. They need rotenone, Blackleaf 40 or nicotine sulphate. The striped beetle can usually be controlled with rotenone.

A strong root system can be encouraged by covering the vines at 18-inch intervals as new growth develops.

Let us grow our gardens for our own table use and not permit marauders to take toll. The garden is deserving of complete protection from pests. — Victor Felter, Warren County, Iowa.

Bug Dust made of rotenone should be used for vegetables when they get about big enough to eat. It is poisonous to leaf-eating and sucking insects, but won't hurt people. Above is Victor Felter, dusting the cabbage on his Warren county, Iowa, farm.

WARNING!

USE ARCOL QUICK TO PREVENT

BLOODY COCCIDIOSIS

The *quicker* you act, the *smaller* the losses!

Here's why: The first few infected birds pass out *immense quantities* of Coccidiosis parasites. These parasites are picked up by the other birds and spread the disease rapidly through the flock . . . *cause many more infected birds . . . many more hemorrhages . . . much greater losses!*

So here's what to do: At *first signs* of ruffled feathers or bloody droppings, use ARCOL in the drinking water for the *entire flock.* ARCOL acts quick, *prevents spread* of Bloody Coccidiosis . . . *helps check bleeding . . . cuts losses to a minimum.* ARCOL is a convenient liquid. All it takes is a teaspoonful of ARCOL to a quart of drinking water in any kind of fountain. It's palatable.

DON'T WAIT UNTIL YOU BEGIN TO LOSE BIRDS

FOR USE IN THE DRINKING WATER

Delay often means disaster, for coccidiosis parasites destroy the lining of the blind intestines, causing birds to bleed to death. Keep ARCOL at hand, so you can use it right away in an emergency.

Get a bottle of ARCOL today at your hatchery, drug store, feed or poultry supply dealer. 6 oz., $1; Pint, $2; Quart, $3.50.

ARCOL

The QUICK-ACTING Drinking Water Medicine, for Prevention or Control of BLOODY COCCIDIOSIS in Chickens and Turkeys.

Made by THE GLAND-O-LAC CO., Omaha, Neb.

Manufacturers of FUNJOL, *the Famous Drinking Water Antiseptic for Poultry.*

MOTHER MILLER CHICKS

FAMOUS LAYERS SINCE 1912

EXTRA LAYING POWER FOR NEXT WINTER

There's still time to add a flock of Mother Miller "Famous Layer" chicks . . . "hardybred" to get on the nest early and give you plenty of big, extra-money, winter eggs. Our fine "point-bred" breeders put real quality into the egg before the chick is hatched . . . assures high livability, early maturity and high egg production. Our 35 years' experience . . . modern methods and equipment . . . and over 4,000,000 annual chick capacity, give you extra quality at no extra cost. ORDER TODAY FROM THIS AD.

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GRADE	BREEDS	100	300	500
Quality Mating	S. C. White Leghorns S. C. Brown Leghorns	$ 9.90	$29.20	$48.50
	Pullets in above Breeds	19.80	58.90	98.00
	Cockerels in above Breeds	2.95	Order Leghorn Cockerels with regular chick order.	
	Wh., Barred, Buff Rocks, S. C. Reds, Wh. Wyan., Buff Orp., New Hamp.	$ 9.90	$29.20	$48.50
	Pullets in above Breeds	11.90	35.20	58.50
	Cockerels in above Breeds	9.90	29.20	48.50
Special Mating	S. C. White Leghorns S. C. Brown Leghorns	$11.90	$35.20	$58.50
	Pullets in above Breeds	21.80	64.90	108.00
	Cockerels in above Breeds	3.95	Order Leghorn Cockerels with regular chick order.	
	Wh., Barred, Buff Rocks, S. C. Reds, Wh. Wyan., Buff Orp., New Hamp.	$11.90	$35.20	$58.50
	Pullets in above Breeds	13.90	41.20	68.50
	Cockerels in above Breeds	11.90	35.20	58.50
Royal Mating	S. C. White Leghorns S. C. Brown Leghorns	$14.90	$44.20	$73.50
	Pullets in above Breeds	23.80	70.90	118.00
	Cockerels in above Breeds	4.95	Order Leghorn Cockerels with regular chick order.	
	Wh., Barred, Buff Rocks, S. C. Reds, Wh. Wyan., Buff Orp., New Hamp.	$13.90	$41.20	$68.50
	Pullets in above Breeds	15.90	47.20	78.50
	Cockerels in above Breeds	13.90	41.20	68.50

Heavy Asstd. $7.95 per 100 Light and Heavy Asstd. $6.95 per 100

NOTICE

Add 1c per chick if ordered in lots of less than 100.

ORDER FROM THIS AD TODAY!

or send postal card for FREE BOOK. TERMS—Send $1.00 per 100 chicks with order, balance to be paid in 10 days before delivery—or send cash for immediate shipment. No C.O.D. shipments, nor less than 25 chicks of one variety. We guarantee 100 per cent live delivery . . . and 95 per cent accuracy in sexed chicks.

THE MILLER HATCHERY Department 95, Bloomington, Ill.

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GASOLINE DEEP-ROCK MOTOR OILS

are the choice of the...

FARM-FRONT

If it is spring—summer—fall or winter—the DEEP ROCK superior quality motor oils and greases deliver utmost value in lubrication dollars. They *cool* ... they *seal* ... they *cleanse* ... and they *lubricate*. The DEEP ROCK man knows and will recommend the correct grades to insure year 'round trouble-free operation for your equipment. It will pay you to insist on the DEEP ROCK brands.

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TRACT-O-LINE—the dependable—volatile tractor fuel, available locally.

Chassis lubrication at proper intervals and regular oil changes are the lowest cost maintenance insurance for your farm equipment. Authoritative engineers recommend chassis lubrication at least once every thousand miles.

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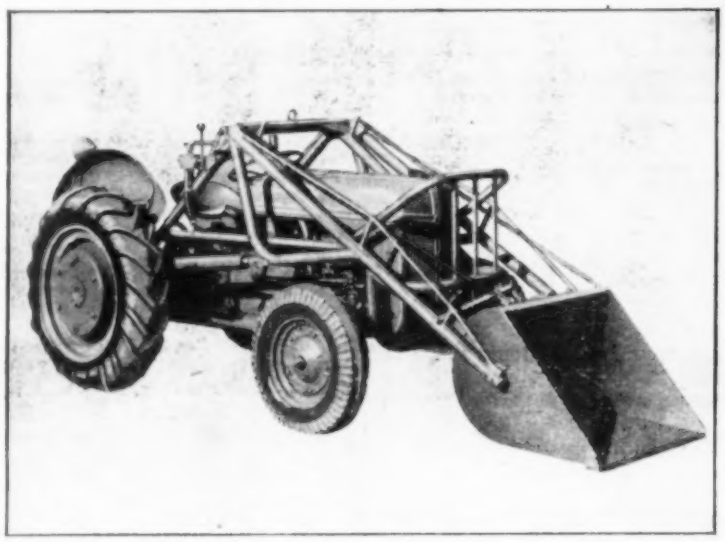
What's New
For Farm and Home?



Front-Mounted loader offered for the Ford-Ferguson tractor has tubular, all-welded construction. Uses its own hydraulic system, driven from front end of crank-shaft. Raises 8½ feet high. Has all equipment, such as bucket, manure fork, crane, bulldozer, sweep rake and snow plow. Made by the Loadtrac Company.

Vacuum cleaner for cows. The attachments include brushes, scrapers and curry comb. Dirt is drawn into bag as soon as scraped off. Floating bag for dirt runs on wire behind cows. This cleaner is now being tried out by General Mills, feed manufacturers, on one of their research farms.

Clogged pipes are opened with this gadget. Pressure from the faucet opens the drain. You just slip the rubber adapter over the faucet, hold the plug in the drain and turn on the water. Pieces at left in picture adapt the cleaner to unusual fittings or garden hose. Made by Norm Mfg. Co.

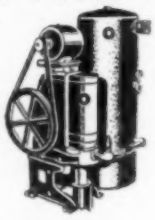
Bottle-Top on this cleaning fluid has its own brush to apply the non-explosive fluid. You just brush away the grease spots. It is designed to remove tar, chewing gum, etc. Vacuum top is claimed to meter fluid, and not to leak when tipped. Made by Safeway Chemical Co.

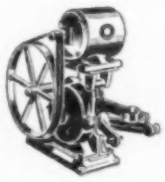
Invisible bug killers are being made. The colorless liquid is put on with a paint brush. Contains 6 per cent DDT for killing flies and bugs. The liquid also protects screens from rust. Can be applied to porch ceilings, light fixtures, floors, etc. Pestroy is a product of Sherwin-Williams Co.

NOW AVAILABLE

TIME-SAVING
MONEY-SAVING
LABOR-SAVING
FARM EQUIPMENT

DEEP WELL WATER SYSTEMS
Provide plenty of water for family, livestock, garden. Automatic, quiet, powerful construction, precision-fitted parts. Low-cost operation. Easy and simple to install.





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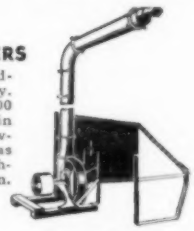
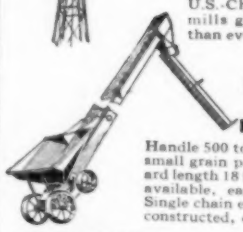
Powerful, smooth running jacks—power to draw water quickly from deep wells. Easy to connect and operate. Give years of service.

GRAIN BLOWERS
Compact, dependable—high capacity. Handle 800 to 900 bushels of small grain per hour. These blowers dry and clean as they elevate—without injury to grain.



IMPROVED WINDMILLS
Pump in the lightest breeze. Simply constructed, powerful, run in oil. Ten outstanding improvements make U.S.-Challenge windmills greater values than ever.



PORTABLE GRAIN ELEVATORS
Handle 500 to 550 bushels of small grain per hour, standard length 18 feet (extensions available, easily installed). Single chain elevator, rigidly constructed, compact.

WOOD TANKS
Fir or redwood, extremely durable. Adequate hoopage for maximum strength. Standard sizes or built to your specifications.

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All-purpose—useful as poultry houses, storehouses, temporary living quarters. Standard size 16 by 24 ft., 8 ft. extensions available. Well built, durable.

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U.S.-CHALLENGE COMPANY
BATAVIA, ILLINOIS
Dealer Inquiries Invited

Tile Systems are usually arranged like this one on a Boone county, Iowa, farm. The main tile line is in the middle and lateral lines lead out on each side. Some farmers are finding that tile don't pull water as far as they used to. These men are thinking of putting in more lateral lines. Of course, that will help, but more grass with deep-rooted legumes may also be needed, to loosen the soil.

Tile Do Best In Good Soil

If Tile Don't Pull Water Like They Used To, You May Be Farming Land Too Hard

"THESE tile don't pull water as far as they used to." This is an expression which you can hear in most areas where land is tiled for drainage.

What's the cause of this trouble? Are the tile lines partly or wholly clogged? Not in all cases. You can hear the complaint about the tile not pulling the water even where the outlets are in good condition and the water is flowing freely thru the tile.

One farmer told his trouble to Clay Barnett, district soil conservationist in Polk county, Iowa.

This farmer had a tiled field which had been half in blue grass pasture for a period of 20 to 30 years. The other half had been farmed to corn and oats with little grass.

The lay of the land was the same in each of these fields. The tile system was also the same, as the same tile went thru each of the fields. But the drainage effect was different.

On the field which had been in grass constantly up until three years ago, corn grew right thru the low places. After long rainy spells, the water disappeared within a day or two.

On the field which had been farmed to corn and oats for more than 20 years there were potholes where the water stood until the corn died. Numerous yellow spots showed up in the corn.

"It's the difference in the way the fields have been handled," Barnett declared.

"Organic matter is high in the old pasture land," he said. "The water soaks away and gets to the tile. In addition to this, the soil is looser and thus can hold more water.

"On the field which has been farmed hard," Barnett continued, "the soil particles have run together. There is but little room for water, and the water soaks thru to the tile very slowly. Tile is sure to become less effective in such soil."

Is that the reason why tile don't "pull water" the same as they used to? If so, what shall farmers do about it?

In the first place, they can put in more tile—putting a string of laterals between the lines which are now in the ground. And, in the second place, farmers can build up the organic matter contained in the soil.

Putting in more tile will help, and it may be necessary to do this in many cases. But that isn't the full answer.

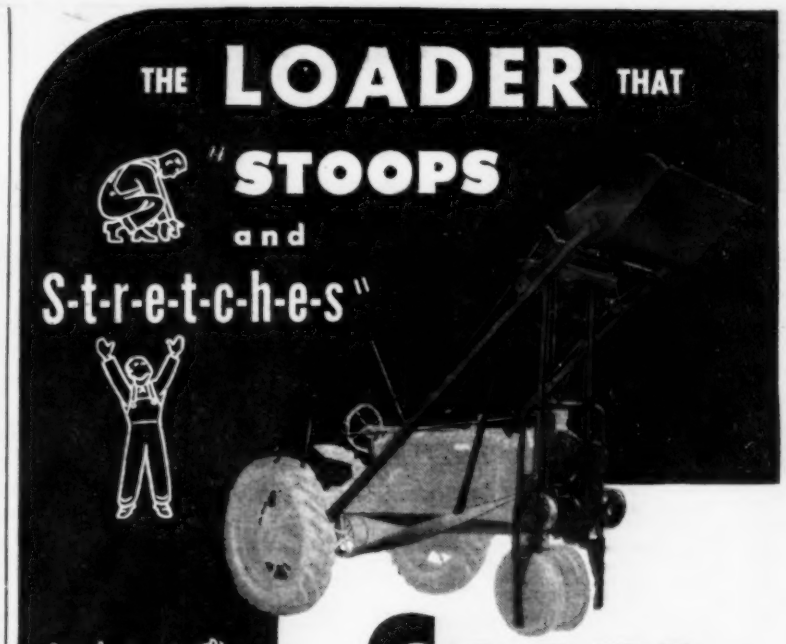
The adding of more organic matter to the soil is the only permanent thing which farmers can do. It is necessary to make the tile work.

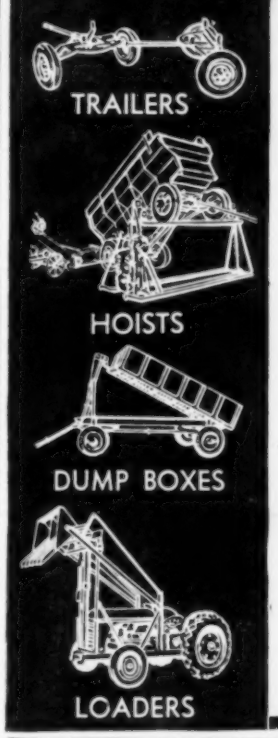
More organic matter means more grass in the rotation. And it means more green manure crops plowed under.

Keep land in grass two years after it is seeded, and sow brome or some other sod grass which leaves a large amount of roots to decay in the soil.

A new farming method and new tile where necessary are the answer to much of the drainage troubles farmers are having.

THE LOADER THAT "STOOPS and S-t-r-e-t-c-h-e-s"





COATS Hi-LO LOADER (MECHANICAL)

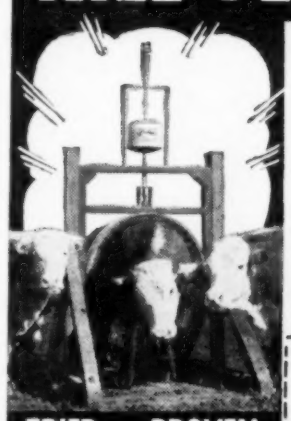
It's the biggest loader improvement since the war . . . it actually "stoops and stretches" —goes through a door 6½ feet high . . . yet you can adjust it to get 9½ feet clearance under bucket. New clutch shaft allows you to mount loader after corn picking and leave it on year 'round, using loader pulley to run belt-driven machinery.

"Miracle" telescoping frame lets you pick up loads within few inches of front wheel. 30% less weight on front end. Less axle strain. No frame twist, no matter where load is positioned. Tapered wood cone clutch . . . no slip or bind. Fingertip control from seat for raising, lowering, dumping everything. Fits any row crop tractor. Attachments for hay buck, snow, etc.

WRITE TODAY *for free circular. There's a Coats Better Loader for every tractor.*

COATS LOADERS & STACKERS, Inc.
Fort Dodge, Iowa

KILL FLIES and LICE



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LET ALLIED MUTUAL'S LOW COST FARM LIABILITY POLICY
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MODERN METHODS IN HAYMAKING

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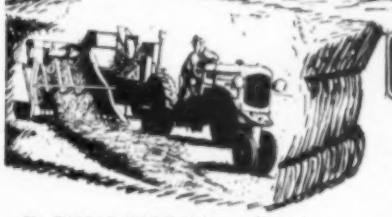
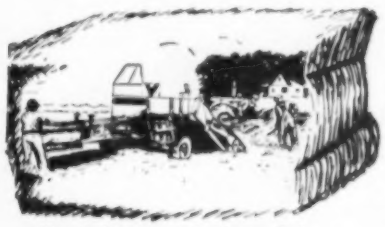
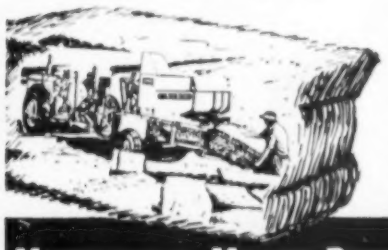
The Bale-O-Matic



The BALE-O-MATIC picks up all the hay



May Be Used As A Stationary Baler



The new Bale-O-Matic picks up the hay, slices and ties it into firm 40 inch bales of a density and weight preselected by the tractor operator—the only manpower required. Bales are tied with two strands of steel wire while under compression and are counted as delivered from the rear of the machine.

Outstanding Features: Bale chamber, plunger and packer head and arms are all of steel welded construction. Knife steel sheer blade assures easy separation of uniform layers of hay. Hardened cut steel plunger and counter shaft drive gears run in enclosed oil bath. Roller chain driven drive shafts turn on roller bearings or bronze bushings and are equipped with safety spring release clutches. The light draft Bale-O-Matic is mounted on pneumatic wheels and is powered by a 4 cylinder "V" type air cooled motor.

For complete information on the many outstanding features of the Bale-O-Matic and other Modern MM MACHINES AND TRACTORS, see your MM Dealer. MM Modern Machine Tools for your farm factory means extra profits for you. MODERN MM MACHINERY IS WORTH WAITING FOR—BUT GET FACTS NOW.

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FOR OVER 20 YEARS THE TRUCKER'S STANDARD

WHY SCOOP? DUMP YOUR LOAD!

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● 13½ foot FOLD-DOWN combination livestock and grain body, "Fresh off the assembly line" now sold at LOW Factory-To-You price. Built to take more road and load punishment. Super-Strong, Flexible Hard Wood Body. Outlasts any truck. Hickory Stakes, Oak Slats. Edge Grain Floor. Weather-Proof Enamel Finish. Guaranteed workmanship. Greatest Body value in America.

NEW BODIES INSTALLED WHILE YOU WAIT! Factory-To-You policy saves big money. Drive in to factory or nearest branch. Installed while you wait.

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LOW COST UNDER-BODY HOIST Haul more pay loads faster. Install Low Cost Omaha Standard 7 Inch Hydraulic Under-Body Hoist. Dumps all bodies. Only $294.78. Completely mounted, ready to dump, tax paid. F.O.B. Factory.

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Service Bureau

Cost Per Hour Of Cultivating

Have you any way to figure a fair cost for cultivating corn by the hour rather than by the acre? A neighbor wants to pay me on an hourly basis.—W. G. A., Illinois Subscriber.

It is difficult to figure an exact cost of using farm machinery because so much depends upon the total use given the implement during the year.

Such cost items as housing, insurance, taxes and interest on the investment are the same each year, regardless of how many days you might use the machine.

Depreciation and repairs might increase with greater use of the machine.

A study made by Iowa State College (their Bulletin No. P-62) indicates that the annual cost of using a cultivator runs from about 11 to 12 per cent of the original cost of the machine; for a tractor, about 12 to 13 per cent, not including gas and oil and the time of the operator.

You might arrive at a fairly accurate cost by taking these percentages of the cost of the machines used. Divide by the estimated number of hours the machine would be used annually. Add a reasonable hourly charge for your labor and the estimated cost of gasoline and oil consumed hourly. Then add a reasonable profit.

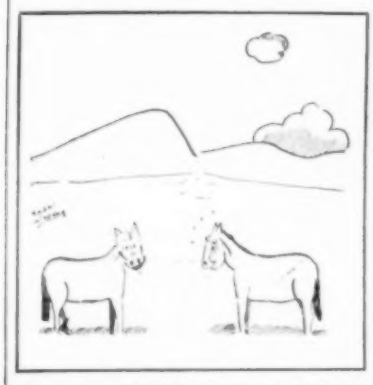
Divide Fifty Dollars In Reward Money

The Wallaces' Farmer and Iowa Homestead Service Bureau has paid another $50 reward where thievery occurred on a property protected by the familiar Service Bureau sign.

This time the reward was divided equally between Thayne Bryant and Mrs. Paul Clark, both of Centerville, in Appanoose county, Iowa.

Bryant operates a filling station. Gerald E. Shepard made the mistake of trying to rob it. Mrs. Clark lives just across the street from the station and noticed Shepard's actions. She called the Centerville police.

It took a squad car just four minutes to get to the filling station, thanks to police radio. Shepard was arrested, was tried, and sentenced before Judge Edward L. Summons, and is now serving his sentence at the state penitentiary in Fort Madison.



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EARNED CONFIDENCE

KRESO DIP No. 1 CLEANS

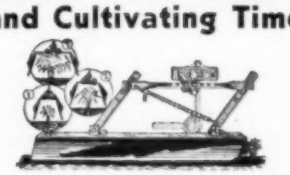
Disinfects. Kills parasites. Sanitation pays. Livestock and poultry raisers must watch production costs. Clean! Dip! Spray! Depend on Kreso Dip No. 1, a standardized coal-tar product with a phenol coefficient of 5. Low in cost. One pint makes 12 gallons of reliable disinfectant.

FREE! Send for illustrated booklet on "Farm Sanitation."

Address: Animal Industry Division, PARKE, DAVIS & CO., Detroit 32, Mich.

DRUG STORES SELL PARKE-DAVIS PRODUCTS

SAVES ROW CROPS and Cultivating Time



Be prepared to protect the row crop with a pair of ADJUSTABLE (to width of) SPEEDWAY TUNNELS. When the corn is in the tunnel it is safe. Write for descriptive literature and Dealers name.

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36 years' experience in the treatment of Arthritis, Neuritis, Sciatica, Lumbago, and Gout, Obesity, Hypertension (High Blood Pressure), Hypotension (Low Blood Pressure). Excellent train and bus service, via N. W. R. R. and Greyhound bus to Shakopee, Minn.; M. & St. L. R. R. to Chaska, Minn.; Milwaukee R. R. to Glencoe, Minn.; Greyhound bus Glencoe to Shakopee. Write for Booklet C.

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the All-Purpose Digger with "Hydraulic Finger Tip Control"

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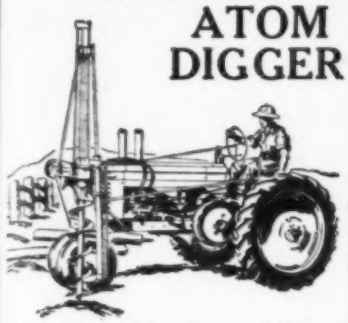

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FOR DAIRY BARN FLOORS

ONE DOLLAR PRIZE

Readers are invited to contribute farm items of interest for the department, "It Happened in Iowa." One dollar each will be paid for items used. If you want photographs or drawings returned, enclose stamps. Otherwise, no contributions will be returned.

A good many hundred contributions are received and only a small number can be used. Don't be too disappointed, therefore, if your contribution does not appear. We are oversupplied with items about deformed farm animals, odd-shaped eggs, vegetables, etc.

Farm News Briefs

CATTLE FEEDERS Day at Iowa State College will be held on Friday, May 23.

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IOWANS BOUGHT $32,628,512 worth of U. S. Savings Bonds in March, an all-time record for the month. Cash-ins during March totaled only $9,977,684.

▲ ▲ ▲

ABOUT 500 carloads of powdered milk will be stored this year in the U. S. government's natural cooler—a former limestone mine—near Atchison, Kan.

▲ ▲ ▲

TEN EASTERN states and part of Canada will be visited by Iowa Junior Farm Bureau members in their fifth annual summer tour. The 3,000-mile trip will be made by bus and will extend from July 2 to July 17.

▲ ▲ ▲

BEN JASPER, of Hardin county, Iowa, was elected vice-president of the National Rural Electric Cooperative Association at the recent NRECA annual meeting in Spokane, Wash.

▲ ▲ ▲

EIGHTY-FIVE Iowa counties plan to hold county sports festivals this summer. Most of them will send their winners to the annual Iowa Farm Sports Festival at Ames, September 5 and 6.

▲ ▲ ▲

ONE OUT of every 28 veterans getting GI loans has used his money to buy a farm or farm equipment. About 25,000 veterans have borrowed nearly 95 million dollars for farm purposes.

▲ ▲ ▲

SWINE EVENTS at the 1947 Iowa State Fair, August 22-29, will carry more than $18,000 in cash prizes. Detailed premium lists may be had by writing Secretary L. B. Cunningham, State Fair Board, Des Moines.

▲ ▲ ▲

DAIRY AND BEEF cattle producers will compete for more than $33,000 in cash prizes at the 1947 Iowa State Fair. Officials expect entries in cattle classes to reach a total of more than 2,000 animals.

▲ ▲ ▲

ARTIFICIAL BREEDING services now are available to dairy herd owners in 79 of Iowa's 99 counties. Fifty-two counties are organized on a county-wide cooperative basis, compared with 36 only five months ago.

▲ ▲ ▲

ALLAN KLINE, president of the Iowa Farm Bureau, is heading the American Farm Bureau Federation's delegation at the second annual meeting of the International Agricultural Producers Organization. The meeting opened in The Hague, Holland, May 12.

▲ ▲ ▲

IOWA DELEGATES to the National 4-H Camp, in Washington, D. C., next month, are: Alberta Illian, Scott county; Louise Wintermute, Taylor county; Robert Smith, Marshall county, and Bernard Larson, Webster county. They were chosen for outstanding leadership, personality and 4-H Club records.

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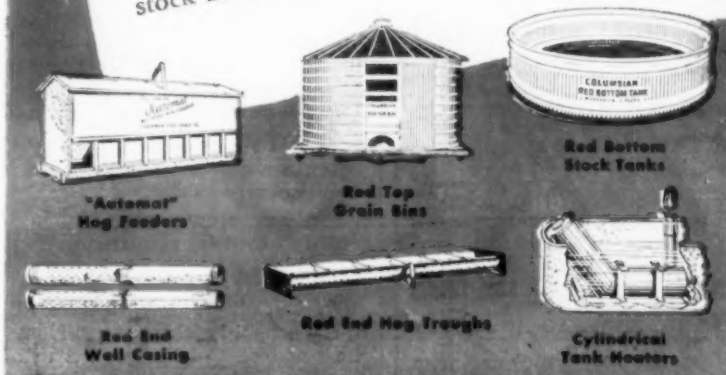
Costs Less Because It Serves Better and Longer!

Precision engineered and quality built of top grade materials, Columbian Farm Products are famous for their sturdy, long-lasting features. Day after day, year after year, they save time and labor and make chores easier for farmers and livestock raisers throughout the Middle West. The years of extra service they assure means less cost per dollar invested. They help you to realize greater profits by enabling you to care for livestock better — feed and water more efficiently.



★ Columbian Red Bottom Stock Tanks are available now. As materials become available Columbian will be among the first to bring you long-lasting farm equipment. Keep in touch with your Columbian dealer.

TANKS FOR THE WORLD

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KANSAS CITY, MISSOURI

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Cut Your Tall Weeds and Grass EASY With This NEW Power Mower

★ Cuts Dandelion the same as Grass

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During the past eleven years the Murry Power Mower has proven itself a leader and is still ahead in the Power Mower Field. This outstanding Mower with its unsurpassed performance is still the answer to the Farmer's WEED and GRASS problems. Hang your old scythe in a tree, Mr. Farmer. BUY A MURRY MOWER AND BE HAPPY.

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Keeps rain, dirt and insects out of exhaust pipe. Prevents rusting of valves. Eliminates rain-flooded pistons. See your dealer or send $1.75. Shipped postpaid. Fits any exhaust pipe from 1½ to 3". Give outside diameter of exhaust pipe when ordering. Money back if you are not satisfied.

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Monitor WINDMILLS ARE Storm Safe

Here's a windmill that relieves you of the chore of constant care. A wind governor automatically adjusts wheel speed to changing wind velocities — reduces the danger of storm damage, assures plentiful water in light winds.

This storm-safety feature of the Monitor has saved many a windmill located in fields, or away from farm buildings where the hand lever cannot be pulled in time.

Such features as the wind governor, automatic lubrication, and moisture-proof Iron Vault gear case save work, worry and add up to many dollars saving on upkeep.

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I am interested in—
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☐ Having old windmill reconditioned. Print Name and Address in margin, mail to
DEPT. S., BAKER MFG., Evansville, Wis.

Voice of the Farm

Bonus For Landlord In Good Year?

To the Editor: I read your article about reducing a cash rental when the crop turns out poor. Why should the rent be discounted any more than a grocery bill or any other debt?

If the season yields a bumper crop, or the prices are inflated, does anyone expect the tenant to give the landlord a bonus?—C. C., Polk County, Iowa.

Share rent works that way.—Editor.

Says Roads Won't Help Veterans

To the Editor: Every young man who has served in actual combat deserves a little bonus.

It is too bad the money lovers and traveling agents would rather have better roads. Roads will not do the ex-GI any good because he can't get a decent car.—George Nolte, Winneshiek County, Iowa.

Would you feel the same way after your bonus money has been spent?—Editor.

Save Soil and Health, Dairyman Says

To the Editor: I am interested in the school lunch program from the standpoint of the good it will do the children and the nation as a whole, rather than from the dairyman's angle.

Good health is important to all of us. It is in the same class as soil conservation. Whether it benefits dairymen or not, the school lunch program should be permanent.

If the time comes when we must again curtail production, I say do it thru soil conservation. Grassland farming is of interest to all the people. Rather than pay a farmer for corn, pay him to seed his farm down to grass. This will save the soil for all time.—Ernest M. Wright, Black Hawk County, Iowa.

That's a good idea any time.—Editor.

Thinks Tenant Pays More Than Half

To the Editor: "If a tenant can not pay his rent, should he lose his shirt or half the value of the crop?" you ask.

How can a tenant get to own his shirt by paying for seed and for picking, paying his gas bills, and paying for shelling and trucking to town the landlord's share?

Did any of these landlords pay this rent? If they did, how did they ever get to own farms and houses in town?

We have tried to get a loan from banks or FHA, but it is always, "Not eligible." Why?—Old Share-Cropping Scrub Woman, Osceola County, Iowa.

You're probably lucky you can't buy right now.—Editor.

Not Enough Money For Schools

To the Editor: Statistics show that Americans spend three times as much for cosmetics as they do for education of their children. Why is this? — Betty Davidson, York County, Nebraska.

Maybe parents need some education, too.—Editor.

Farmers Should Favor High Wages

To the Editor: Here's a point that is not generally understood by farmers:

Farmers should be almost as much interested in a high annual wage for labor and in full employment as is labor itself. Instead of following the party line of the reactionaries and booing labor and labor unions and yelling "Communism!" farmers should be critical of employers who do not give full employment, who bear down on employes' wages in order to show by profits.

The farmer should be cognizant of his market. — James Hearst, Black Hawk County, Iowa.

It's hard to understand why most farmers fight their customers.—Editor.

PLAN NOW to have a Dump IT HOIST on your FARM TRUCK

Yes, PLAN your equipment buying. And consider the DUMP IT Hoist as an investment that will quickly pay for itself in actual cash savings.

It DUMPS truck loads in 15 to 30 seconds; saves hours of sweating labor. Truck engine does the work.

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THE ORIGINATOR OF THE TRACTOR POWER LOADER

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LOADS—DIGS LIFTS—HAULS

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Ottawa Self-Propelled Buzz Master

CLEARS LAND FAST! Powerful 6-HP motor with friction clutch for safe operation. Cuts down timber, brush and hedge; turn blade vertically and saw logs to length. Also furnished with post hole diggers. Has clutch pulley for belt work. Fully guaranteed.

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One-man SALLY SAW portable
Gasoline motor. Fells and cuts up. Wghs. 63 lbs. Free Folder
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before killing outbreaks begin. Call your
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protects crops from cultivation damage

- PROTECTS YOUNG PLANTS
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The only perforated guard. Fits any late model tractor cultivator. Speed of tractor governs amount of dirt going through holes. 9½" clearance when resting on ground. Guard does not permit lumps or rubbish to get near plants. Gives faster, better cultivation of corn, potatoes, cotton, tomatoes, cabbage, tobacco, soy beans.

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BREADY Garden Tractor *Takes the Work out of Gardening!*

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Weigh Litters To Test Sows

YOU can test the efficiency of your brood sows by weighing the litters of pigs at 56 days of age. This will not be difficult if you marked the pigs when they were farrowed.

The average 56-day litter weight of sows kept by 151 farmers in the Austin, Minn., area was 241 pounds in 1946. These farmers are members of the Austin Area Swine Improvement Association. P. J. Holland, secretary, makes the report.

This kind of sow testing enables hog raisers to send sows to market if they raise poor litters. They can also mark the sow pigs from good litters to use for breeding next fall or winter.

It seems to have worked for the Minnesota group. In 1938, there were 53 farmers in the association, and the average litter weight at 56 days was 112 pounds. The 1946 litter weights were more than doubled. (All sows were counted whether they had saved any pigs or not.)

A tested boar sale has been a part of the Austin area swine improvement program. To be eligible for the sale, the boar must have been from a litter weighing 255 pounds at 56 days, if from a gilt, and 280 pounds, if from an old sow.

Fast Milking Boosts Production

Fast milking means more milk and butterfat. And it saves time and labor, too, according to Floyd Johnston, extension dairyman.

The best time to train cows for fast milking is when they freshen with their first calves, Johnston says. Heifers should be placed in the milking line a couple of weeks before they are to freshen.

This gets them used to their places in line and to being handled. Attention should be given to the teats before the heifer freshens. Injuries, cracks or cuts should be treated and healed before the freshening period shows up.

After the calf is taken off the cow, Johnston advises these steps in the fast milking routine:

Wipe the udder and teats with a clean cloth wrung out of warm water. Draw two or three streams of milk into a cup.

Within one minute, put the teat cups on.

Use a timer, so you won't leave the machine on too long.

The final step is stripping. This can be done by machine if care is taken not to strip too long, Johnston says.

"Kitchen to field . . . Kitchen to field . . . Come and get it."

MODERN METHODS WILL *Produce More*

Large Capacity
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WITH MODERN MACHINES

To fill the breadbasket of the world, progressive farmers are using MM Modern Machines and modern methods for more economical harvesting of their crops. The self-propelled MM Harvestor permits one man to harvest a large acreage and get the grain and seed from *any* crop under *all* combining conditions. Adjustments are easily accessible and quickly made.

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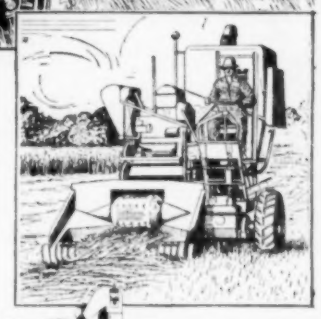

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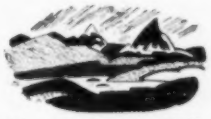

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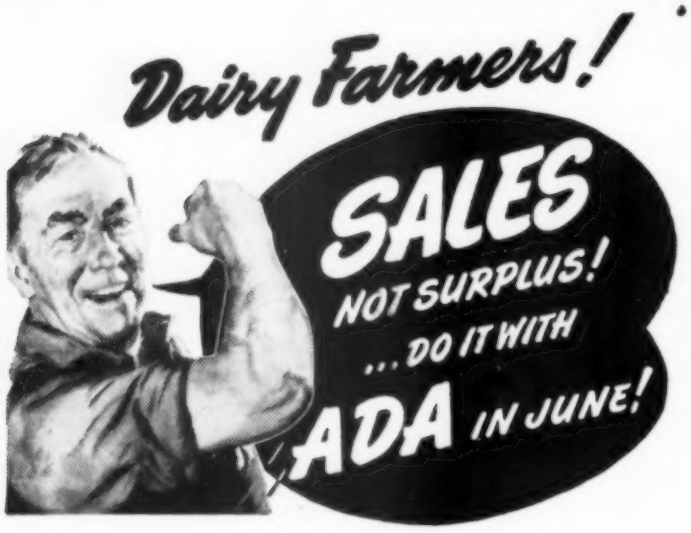

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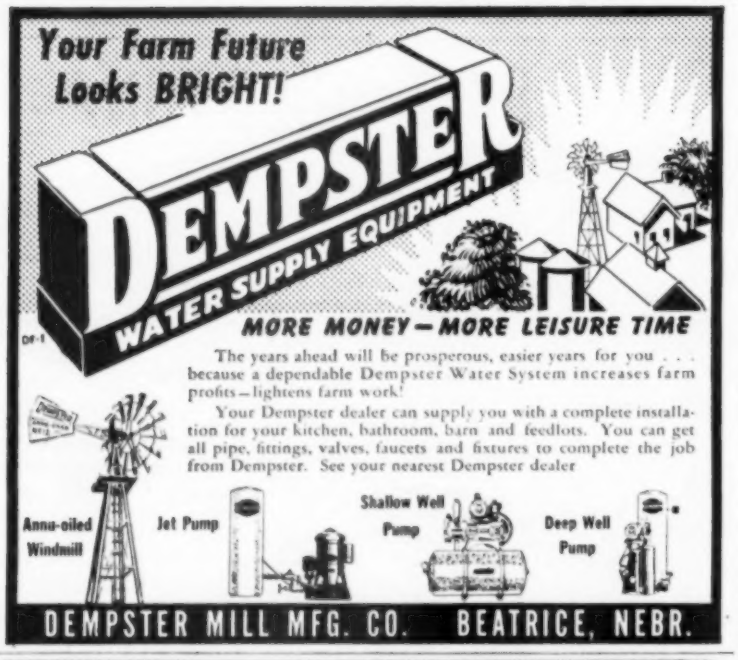

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Fertilizer For Late Corn

THE planter attachment is the best way to apply fertilizer to corn, according to tests by farmers and experiment station men. For the same effect, broadcasting requires about twice as much fertilizer as the planter attachment method.

If you have, or can get, some fertilizer and a planter attachment, here are some suggestions for its use. For more detailed instructions, ask us for an Iowa State College fertilizer pamphlet, which we will send to you.

The rate at which phosphate fertilizer (0-20-0) should be applied is 100 pounds per acre. If the fertilizer contains nitrogen and potash, the rate should be 125 to 165 pounds per acre.

Phosphate applied with a corn planter attachment will help corn yields on most corn belt soils.

Most farmers say that phosphate hastens maturity of the corn by several days. Therefore, if you have some 0-20-0, a late-planted field would be a good place to use it.

Potash is particularly beneficial on low, poorly drained soils. Fertilizer containing both phosphate and potash will boost yields and hasten maturity on alkali lands—sometimes called high-lime areas.

Nitrogen added to the fertilizer will push the corn along. Corn will be big enough to plow several days sooner with nitrogen than without.

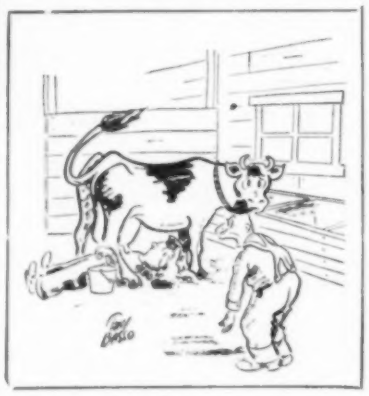
Set National Barrow Show Dates

Farmers who show market hogs in truckload lots will have the spotlight on one day of the National Barrow Show at Austin, Minn., this year. Dates for the show are September 15 to 19.

Hog raisers who wish to enter this contest should fit 15 pigs for the show. The pigs must have been farrowed after February 1. Eight of the 15 shown must be barrows.

Good interest shown in the market hog division last September encouraged the National Barrow Show management to allot one whole day for the judging of the truckload lots. A big increase in entries is expected.

The cut-out demonstration will be repeated this year. In this event, hogs of different types are shown and judged one evening on foot. The next day, the same hogs are shown after being slaughtered and made into the various cuts.



"For the last time, that's wrong—and stop that nonsense about draining the crankcase."

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Here's a handy dumper! Takes only 90 seconds to dump heaviest loads. A boy can do it, like jacking up your car.

Dump anything — *anywhere!* Wagon box raises plenty high (see photo). Wheels stay on ground. No need to unhitch horses or tractor.

Behlen Hydraulic Wagon Dumper fits most all wagons. Reasonably priced. Thousands in use. Full particulars in FREE illustrated folder. Fill out coupon now!

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Model 501—Mower Attachment
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Drill 4 holes, tighten the bolts and your horse drawn mower is converted into a practical, efficient TRACTOR DRAWN MOWER with the SCHENKELBERG MOWER ATTACHMENT. Fits any mower. Cuts a full swath and clean square corners. Operator can raise or lower sickle bar.

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Provides constant supply of clean, fresh water. Saves time and labor—prevents water waste—safeguards health. Quickly attached to barrel or tank. Delivered price, $4.25! Plus sales tax in Iowa. See your dealer or order direct. Money back if not satisfied.

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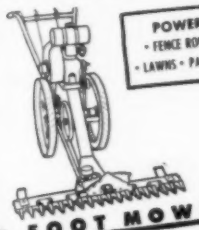

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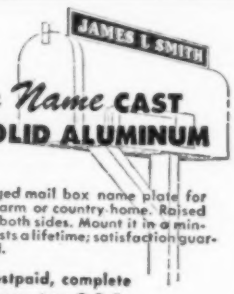

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—OUR ADS ARE NEWS—

First Aid for Stock

New-Born Pigs Shake And Tremble

To the Editor: Some of my new-born pigs shake and tremble all over. What is the cause and cure for the trouble?—E. W. B., Franklin County, Iowa.

This condition has been reported all over the corn belt for several years. Veterinary authorities do not claim to have found the cause or cure.

Some see evidence that the trembling condition is caused by heredity. It may be the result of crossing certain lines of animals. But this has not been proved.

In the majority of cases, these pigs recover. The recovery occurs even when pigs shake so severely that they can hardly hold onto a teat long enough to get milk. Very few of them die, according to reports.

Good care and balanced rations are always the remedy to be applied for unknown conditions or until a diagnosis and a remedy are found.

Has Trouble With Calf Scours

To the Editor: I always lose some calves by scours. Sometimes they die when only a few days old. Other calves linger along, and some recover. What can be done?—B. B., Lee County, Iowa.

There are two kinds of scours in calves. One is the infectious type known as "white scours." The other is the nutritional type known as "common scours." Veterinary authorities describe them as follows:

The infectious type of scours strikes calves a few days after they are born. Droppings have a grayish-white color. There is fever, sunken eyes, and usually death within a few days.

This type of scours is caused by an organism which enters the calf's body thru the navel or the intestines. Cleanliness in the cow stalls and the calf pens will prevent many attacks of white scours. Treatment should be prescribed by a veterinarian, but not many calves recover.

Common scours has the following causes: Calf drinks too fast; calf is fed too much milk or the milk is fed cold; dirty pails are used for feeding, or calves are kept in cold, drafty and wet pens.

Calves that have common scours may recover. R. A. Cave, of the South Dakota Agricultural College, makes these recommendations:

Feed the calf one pint of milk for each 10 pounds in weight. A nipple bucket will help in feeding because it keeps the calf from gulping the milk down too fast.

Some farmers have reported good results from feeding one or two raw eggs for a few days. The eggs can be fed with or without a little milk. Cave says it is a common treatment which can be tried. Another common treatment is to feed a tablespoon of codliver oil twice daily.

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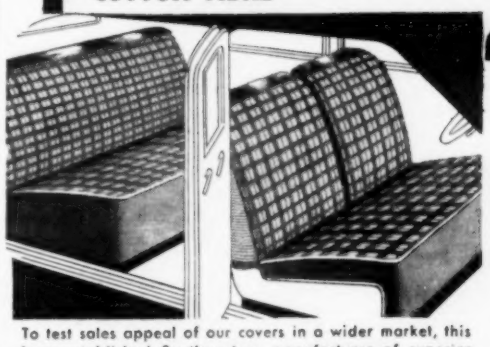

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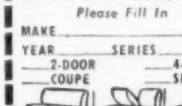

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NORTH IOWA

HEREFORD ASSOCIATION SALE

At North Iowa Fair Grounds

Mason City, Iowa, Thursday, June 12

50 HEAD—30 BULLS, 20 FEMALES

A choice consignment from the leading herds in this section which include a number of desirable bulls, most all ready for immediate service. The females include cows with calves, many rebred and a splendid lot of bred cows and heifers and many good open heifers. They are consigned by the following breeders:

Van Note Stock Farm....Mason City
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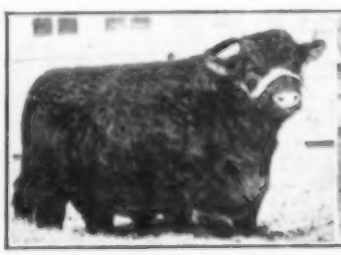
Roy L. Hanson.....St. Ansgar
Ernest Walser .....Northwood
Peter Walser .....Northwood
Elmer Hafermann .....Thornton
Wilbert Witte .....Hampton
Homer Schroeder .....Alta Vista
William McArthur .....Mason City
P. M. Christenson & Son..Lone Rock
Norbert Schwickerath.New Hampton
Roy Schaub & Son.....Grafton
Ben Curran.....Mason City
Curran Stock Farm.....Mason City

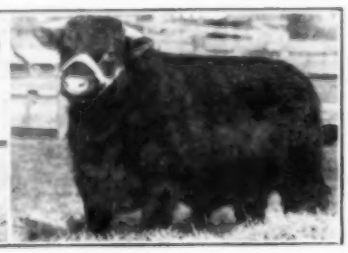
This is an annual sale for this association, with a very good record of successful sales and we believe this is perhaps the best offering our breeders have ever offered. It will be a real opportunity for you to purchase a herd bull or a few females to help improve your herd. All cattle registered and health papers furnished. Make plans now to attend. Ask for **FREE** catalog. Please mention this publication. Address

LEIGH R. CURRAN, Sale Mgr., MASON CITY, IOWA

Auctioneer, Fred Chandler M. W. Boney, Fieldman



EDELLYN RESERVE MERCURY, red September yearling son of the Perth Champion Calrossie Mercury (Imp.). One of the best we ever sold.



EDELLYN ROYAL LEADER 43rd, a September yearling son of Edellyn Royal Leader. Dam a daughter of Calrossie Mercury (Imp.). A mating that assures a breeding bull.

28th Anniversary Sale at

EDELLYN FARMS

Located just north of Chicago

WILSON, ILL., MONDAY, JUNE 2d

18 OUTSTANDING BULLS—23 GRAND FEMALES

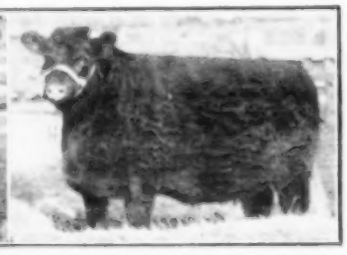
More than a quarter of a century of constructive breeding and the bulls now in service are superior to those that have been used before. The 18 bulls are genuine herd-heading propositions and sired by **EDELLYN ROYAL LEADER**, All-American favorite sire, and **CALROSSIE MERCURY** (Imp.), the famous Perth Champion. Two are illustrated here, only a fair sample of the great bulls being offered. The females are suitable for herd improvement. You will want a daughter of one of the famous sires in this auction. Secure a female mated to one of the herd bulls and produce your herd bull. An ideal opportunity to improve your herd. The one sale of the year that all admirers of the breed will want to attend. Cattle that will help work breed improvement. **COME.** Plan now to attend. Ask for **FREE** catalog, beautifully illustrated. Please mention this publication when writing. Address

EDELLYN FARMS, WILSON, ILLINOIS

Thos. E. Wilson, Owner Allan C. Atlason, Manager

Auctioneers, J. E. Halsey and Hamilton James

EDELLYN ROSEMARY 22d, one of the many attractive females that will help to improve any herd.



EDELLYN BEAUTY 24th, a choice heifer, pleasing in type and character. You will like her.

Livestock News

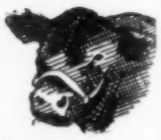
The tenth annual spring sale of Marion County Angus Breeders, at Knoxville, Iowa, April 28, fell on a beautiful day, when many farmers were busy in the field. However, a fair crowd turned out. The top female was Miss Buena Burgess 3d, from the Ray Cline & Son herd. She sold for $990 to Banks & Banks, Knoxville, Iowa. Barbara Della, from the Ed Murr farm, sold at $850 to T. D. Bane, Pleasantville, Iowa. Georgina E. 17th, a daughter of Glenelg Pride 4th, consigned by O. O. Emerson, brought $605 and went to Randal Smith, Lacona, Iowa. Barbara Woodson E., another Emerson entry, sold for $500 to Robert Overton, Knoxville, Iowa. Bell Boy Blackcap D. 4th, from the Ray Dyer herd, sold for $500 to Ray Cline & Son, Bussey, Iowa. Miss Burgess E. 8th, from the Emerson farm, went at $500 to Paul Eggers & Son, Knoxville, Iowa. The top bull was Burgman 2d, from the Ray Cline & Son herd, and brought $660, going to Walter Shilling, Bussey, Iowa. Bell Boy Emslie, from the Dyer farm, sold for $425 to Rogers & Conn, Monroe, Iowa. Black Lad D. D. 2d, a J. M. Davis & Son entry, brought $400, and was purchased by McCall & Koehler, Winterset, Iowa. Blackcap Glenelg, from the Emerson farm, sold for $400 and went to Clyde Care, Pleasantville, Iowa. The 82 females averaged $318.30, with 19 bulls at $325.79 each, and the 101 lots sold for $32,295, a general average of $319.60. Mr. Bingley, of Knoxville, Iowa, was the heaviest buyer, securing 15 lots. Iowa buyers took 93 lots, and eight went to Missouri buyers. This was evidence that good Angus cattle can be sold to local buyers in this section. Auctioneer, Roy Johnston.

The Page County Aberdeen Angus sale attracted a large crowd of breeders at Clarinda, Iowa, on April 30, and they were more than pleased with the cattle offered. The 15 bulls sold for $7,370, an average of $491.33. The top bull was General of Pagemere L. F. 4th, a two-year-old consigned by the Pagemere Angus Farms, and he went to Henry Horton, Maryville, Mo., at $675. The second high bull was Prince Eric of Elburn, consigned by E. L. Osburn & Son, and he went to McCall & Kahler, Winterset, Iowa, at $560. The same firm took Duke of Evanhoff 2d, consigned by Wm. Russell, at $500. Gay Repeater L. E., consigned by Lloyd Eitzen, went to F. E. Chamberlain, Malvern, Iowa, at $400. Juan of Idealmere, consigned by Alvin Sunderman, went to Albert Henke, Clarinda, Iowa, at $450. Robert Otte & Son took Blackburn of Elburn 2d at $550. The top on females was that outstanding cow, Juanerra of Erica 68th, consigned by Alvin Sunderman, and she went to Louie Morford, Iowa City, Iowa, at $1,025. She was an outstanding cow and was well along in calf. They sold a grand, good lot of heifers in this sale, and the 52 females made an average of $250. The 65 head averaged $312. Cols. Roy Johnston and Ray Simms were the auctioneers.

The first annual sale of the Warren County Angus Breeders Association was held at Indianola, Iowa, on Tuesday, April 22, with a good attendance, and 16 bulls were sold at an average of $228; 52 cows and heifers at an average of $252, and the 68 head averaged $245.49. The top female—the top animal in the sale—was Barbara Bell 2d of Otter, a very excellent yearling heifer. She was consigned by C. D. Spear and went to Donald Booth, Thayer, Iowa, at $550. The high selling bull was Eric's Model E. L., consigned by Earl F. Lohr and going to W. B. Tindell, Shenandoah, Iowa, at $410. This association had a wonderfully good lot of cows in the sale, which would have been a credit to any offering. There were some good bulls, too, but a few were lacking in flesh. The herd bull, Ennoble 95th, consigned by Emory J. Miller, went to John Keller & Son, Lacona, Iowa, at $320. Nineteen head sold for $300 and above. The second highest selling heifer was Elmaretta M. 5th, from the Emory J. Miller herd, and she went to Earl F. Lohr, Milo, Iowa, at $425. J. E. Hatcher, New Virginia, Iowa, is president of the association; C. D. Spear, Indianola, Iowa, is vice-president, and Earl F. Lohr is secretary. Cols. Ray Simms and Clair G. Mason were the auctioneers.

Sky Ranch
COURTENAY, NORTH DAKOTA

THURS. JUNE 12



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275 Registered ABERDEEN-ANGUS

80 Bulls Farm, Range & Herd

All grandsons of the mighty Black Prince of Sunbeam, Chicago Int'l Grand Champion.

200 HEAD

Open and Bred Heifers and cows with calves at foot. Opportunity to buy one or a carload at your own price.

FREE

FOUR REGISTERED ANGUS $225.00 CASH PRIZES

Write for catalog
WALTER E. JOHNSON, Owner

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of the entire herd of
ELMER & MERLE SIMPSON
TERRIL, IOWA
TUESDAY, JUNE 10, 1947
12:30 P. M.

40 Head—Production Tested and Classified Jerseys. High Herd in D.H.I.A. Assn. 4 mos. in 1946. 2 V.G., 8 Good Plus and 2 Good Cows. Many have records from 400 to 500 lbs. fat. Cows, Bred Heifers, Yearlings and Calves. Also selling THOMAS ROYAL VALIANT, soon to be an AJCC Tested Sire, and a bull whose daughters have commanded good prices. Practicing Calfhood Vaccination. Sale at farm, 3 mi. N. W. of Terril, on day following Iowa State Sale at Des Moines. For catalog of sale write

IVAN N. GATES, Sales Mgr.
WEST LIBERTY, IOWA
Auctioneer, Joe Reisch, Mason City, Iowa

Annual Futurity

HEREFORD SHOW AND SALE

SHOW 9:00 A. M.—SALE 1:00 P.M.
Judge, Lester Wiese

WORTHINGTON, MINNESOTA
JUNE 3rd

76 Head—42 Bulls, 34 Females

A most desirable offering selected from 24 of the best herds in Minnesota. 32 of these will be in the futurity. A richly-bred lot of cattle. Plan to attend. Ask for **FREE** catalog, which gives full information. Please mention this publication when writing. Address

Roland Abraham, Sale Mgr.
LAKEFIELD, MINN.

UPPER MID-WEST

Red Polled Breeders Sale

Livestock Pavilion, Fair Grounds
AUSTIN, MINN, JUNE 6th
SHOW 10:30 A. M. SALE 1:00 P. M.
55 HEAD

Selected consignment from **MINNESOTA, IOWA** and **WISCONSIN** herds. Choice females and bulls. Ask for **FREE** catalog. Please mention this publication. Address

A. L. HARVEY, Sale Chairman
University Farm St. Paul 1, Minnesota

Bellows Cochel **SHORTHORN SALE**

At the famous Bellows Farm, near

Maryville, Mo., Wed., June 11th

50 HEAD — 10 BULLS — 40 FEMALES

A select draft from two good herds and include 18 grand breeding cows with big lusty calves at foot. 10 are by the $2,000 **HELFRED GOLDEN FAME**, the best bull ever used in the Bellows herd and 8 sell with calves by choice **MERCURY** sires in Cochel herd. 12 desirable bred heifers and 10 open heifers. Daughters of **HELFRED GOLDEN FAME, PAYMASTER STAMP, CRUGGELTON ASPIRATION, BLUEMONT FAVOR** and **ROANRIDGE GOLDEN CHARM.** The bulls are choice and excellent colors, two by the famous **EDELLYN CAMPEON MERCURY**, one by **SNI-A-BAR CONTROL**, two by **ROANRIDGE GOLDEN CHARM**, five by **HELFRED GOLDEN FAME.** SNI-A-BAR breeding predominates in this sale. Visit the two herds enroute to **Sni-A-Bar Farms.** Be sure to get the **free** catalog. Ask for it and please mention this publication. Address either

BELLOWS BROS. Maryville, Mo. or **ROANRIDGE, FARM** Parkville, Mo.

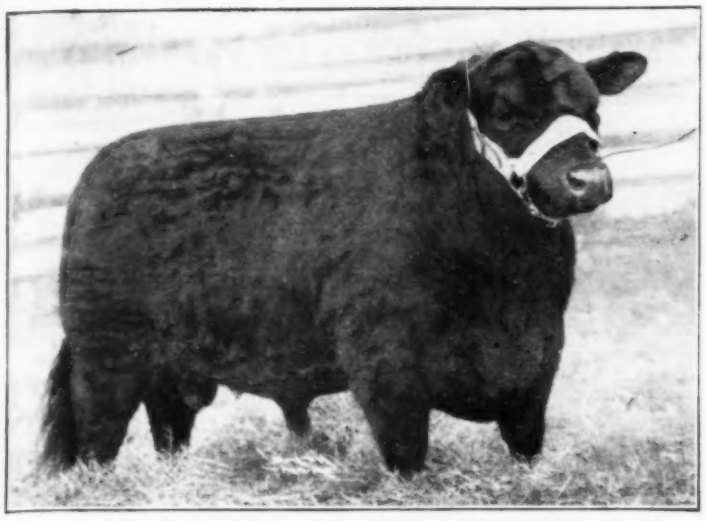
Auctioneer J. E. Halsey

—SAVE MONEY THE EASY WAY—BUY U. S. SAVINGS BONDS—

Imported and American Angus

At farm 5 miles south of

Atlantic, Iowa, Monday, June 9th, 1947



Imported **KUBAN OF THORN**, our great Imported bull. He will be mated to choice females. You can purchase Imported females and American-bred females mated to him. Nothing finer.

82 HEAD — 10 BULLS — 72 FEMALES

Unquestionably one of the greatest offerings ever sold in this country.

18 IMPORTED FEMALES — 3 IMPORTED BULLS

Included in the Imported females are several with calves at foot, the ideal kind for breed improvement. The calves at side are by **IMP. KUBAN OF THORN** (illustrated above), others are forward in calf to him. The families are 5 **MISS BURGESS**, 1 **GAMMER, GEORGINAS, ERICAS, BLACKBIRDS** and other popular families. There are also 12 beautiful American-bred heifers, one mated to **BLACKBIRD BANDOLIER G. R. 3rd**, several to **RAONA'S BURGESS ESTON 7th**, 1945 National Congress Grand Champion. You will find daughters of **BLACKBIRD BARDOLIA** of **ADA, BAR ESTER, PRINCE SUNBEAM 46th, GREAT OAKS BARMAR, ESTON LAD.** The offering will be rich in **QUALITY MARSHALL 3rd** and **ESTON OF QUALITY** breeding. The finest blood lines the breed affords. A great lot of bred heifers to a bull that will improve your herd. About 30 open heifers, the best we have ever offered. Genuine foundation cattle. The bulls include 3 good Imported bulls, ready for service, the kind that will make wonderful herd sires, and 7 excellent yearling American-bred sires that will please anyone looking for a herd bull.

EARL MAY HERD

The herd of the late Earl May will be dispersed here. Most of his herd was purchased from our farm, hence we consented to allow the estate to sell them here. There are 34 lots. 18 cows, mostly with calves by **ESCORT BAR 10th.** Five two-year-old heifers and 10 yearlings. Excellent families.

Here is a sale you will want to attend. Ask for **FREE** catalog. Please mention this publication. Address

WAYLAND HOPLEY & SONS, ATLANTIC, IOWA

Auctioneers, Roy Johnston and J. E. Halsey M. T. White, Fieledman

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South Central

IOWA ANGUS ASSOCIATION

At Southern Iowa Fair Grounds

OSKALOOSA, IOWA, TUESDAY, JUNE 10th

SHOW: 9:00 A. M. **SALE: 12:30 P. M.**

Judge: Milt Tudor

85 HEAD

17 CHOICE BULLS

68 DESIRABLE FEMALES

This is a grand offering selected from 22 of the best herds in this District which include bulls ready for service that will make herd bulls for our best cattlemen. The females are a beautiful lot, rich in pedigree and pleasing in type. You can find excellent young bred cows and heifers and attractive open heifers. They are consigned by the following breeders:

El-Jon Farms	Rose Hill	Thornwood Farms	Thornburg
Clarence Gay & Son	Rose Hill	S. T. Yates	Sigourney
B. J. Snyder & Son	Oskaloosa	G. A. Hobson	Sigourney
Clifford Gay	Oskaloosa	Leslie Oster	Webster
Ray Hull	Oskaloosa	Clarence Keller	Webster
Jennie Stringfellow	Rose Hill	Darrell & Bruce, Clark	Fairfield
L. M. Fansher	Oskaloosa	V. L. Baughman	Bloomfield
Clyde Hanna	New Sharon	Grosebeck Farm	Albia
H. H. Steddom	New Sharon	Glenn Willbolt & Sons	Batavia
Henry McCleary	Packwood	Ben Bowne	Batavia
J. W. Bonnater	Keswick	Bert Giltner	Batavia

The families represented are **MISS BURGESS, BLACKCAP, BARBARA, BLACKBIRD, ERICA,** and other popular tribes. Some of the greatest sires known to the breed are well represented. The females are by top herd sires and mated to great herd bulls. Breeding and quality that will please. A class of cattle that will help work breed improvement. All **T.B.** and **Bangs tested.** Plan now to attend. Ask for **FREE** catalog. Please mention this publication. Address

CLYDE A. HANNA, Secy., NEW SHARON, IOWA

Auctioneer, Roy Johnston J. E. Halsey, Fieldman

A DRAFT SALE — HIGH CLASS

Angus Cattle

At farm located midway between Oskaloosa and Grinnell on Highway No. 146, only 5 miles north of

New Sharon, Iowa, Saturday, June 7

A fair sample of the choice yearling heifers in the sale. Many others of like quality sell.

64 HEAD — 10 GOOD BULLS — 54 EXCELLENT FEMALES

The 10 bulls include two full aged or matured bulls, one a **BLACKCAP** and one an **ENCHANTRESS ERICA.** Good herd sires for someone. The 8 other bulls are just ready for service and will make some splendid sires. They are mostly by **BURGESS 103rd** a son of the great Burgess Deluxe. The females are a pleasing lot and include 19 grand young breeding cows from 3 to 6 years old with big lusty calves at foot or will calve real soon, mostly to the service of the excellent herd bull **BURGESS 103rd** a son of the famous Burgess Deluxe. There are 12 beautiful **1945** heifers which will be mated to **BURGESS 103rd** and 23 most attractive **1946** open heifers of which several are sired by **BURGESS 103rd** which will be evidence of his ability as a herd sire. This is a splendid lot of real breeding cattle, the families include 13 **MISS BURGESS;** 2 **JUANNERA ERICA** and the others are **ELBA, EDELLA, EISA** and **ENCHANTRESS ERICA,** nothing finer in blood lines. This herd has grown to such size they must reduce the size of same, therefore are dividing it with the public and will retain about 50 breeding cows to mate with **BURGESS 103rd,** their good herd bull purchased in the Milt Tudor sale. This will be a sale where you can secure desirable richly-bred Angus cattle. Plan now to attend. Ask for FREE catalog. Please mention this publication. Address

L. R. Morford, Box 5, Iowa City, Iowa

L. R. Morford, Owner, Iowa City, Iowa, and
H. C. Meredith, Owner, Searsboro, Iowa

Auct.: Roy G. Johnston and Nels G. Kraschel. M. W. Boney, Fieldman.

---

50 Females OUTSTANDING Purebred Aberdeen-Angus Cattle 5 Bulls

Offspring from Our Select Females and Bulls Derived from

THE BEST HERDS OF AMERICA

—o—

With Pride We Announce Our "PREMIER" Sale

WEDNESDAY, JUNE 11th, 1947

Headquarters Farm—EAST OSCEOLA—Highway 34

MAID 3rd of Harken Farms in "Premier" sale. A fair sample of the cattle selling.

6 Cows With Calves at Side—
2 More to Calve by Sale Day
11 Open and 27 Bred Heifers
5 Bulls Ready for Service

BUXOM MAID MISS BURGESS
With Heifer Calf at Side Sired by
PROUD ERAMAN OF HARKEN FARMS
Sells in Lot 6

Proud Eraman, the Sire of This Fine Calf, Was in the Top Group of Leading Bulls at the International Last December

We are pleased and proud to offer you the choice from our exclusive families: BARBARAS, McHENRY BARBARAS, ELBAS, ERICAS, JUANA ERICAS, MISS BURGESSES, MAID OF BUMMERS MISS BURGESSES, BUXOM MAID MISS BURGESSES and BLINKY BURGESSES. All the cattle, with the exception of four lots, were produced on our farms. They are sired by bulls of our own battery; note carefully:

BLACK PEER OF OSCEOLA, bought in dam at Sunbeam Farms. His dam by Black Peer of St. Albans. His sire, Bar Sunbeam 2d, the outstanding son of Black Prince of Sunbeam.

CESOR'S EVADER, the sensational young bull at the International in 1943. He is sired by Evesback Evader, Cesor Farms.

EILEAN BURGESS 31st, by Eileenmere 163d. He by the 85th.

MONAMERE BARON, by Eileenmere 162d. He also by the 85th.

BELL BOY H. 12th, by Bell Boy A., his dam by Glencarnock Revolution 6th.

DOUGLASS OF ANGUS VALLEY, with El-Jon's best breeding on top and line bred Sunbeam on the bottom.

ERAMAN OF HARKEN FARMS, one of the top sons of Eraman 2d of Sunbeam and from a dam which was one of the attractions at the Lonjac dispersion sale of 1941. Several heifers in this sale are bred to him.

PROUD ERAMAN OF HARKEN FARMS, in the top group of leading bulls at the International last December. A number of heifers in the sale are bred to him. He sired the Buxom Maid Miss Burgess heifer calf in Lot 6. Judges rate him "one of America's best bulls."

This "PREMIER" Sale is particularly planned to perpetuate our friendships and acquaintances in the broader circle of breeders and buyers throughout the states. Write for **FREE** catalog. Please mention this publication. Address

HARKEN FARMS

Five Units and the Ranch **OSCEOLA, IOWA**

Plan to attend this Circuit: June 9, Wayland A. Hopley, Atlantic, Iowa; June 10, South Central Iowa Angus Association, Oskaloosa, Iowa, and June 11, Harken Farms, "Premier" Sale, Osceola, Iowa.

Auctioneer, Roy G. Johnston M. T. White, Fieldman

HOELSCHER BROS. SALE

ABERDEEN ANGUS CATTLE

45 HEAD --- 12 BULLS 33 FEMALES

Carroll, Iowa

Wednesday

May 28, 1947

We think we are offering about the best lot of Angus that we have ever listed for a public sale. Among the bulls that we are selling are five 2-year-olds, the remainder yearlings and these are not only good bulls but they are well bred, and ready for good service. Also some nice yearling bulls and we are selling our good herd bull, Bandolier H. The latter is a 5-year-old and in good condition. He has done splendid service in our herd and is the sire of many of the cattle selling in our sale. Three are sired by Eric Bandolier 3d and one by Eline's Revolution. We are selling 11 bred heifers and 18 nice yearlings. OTTO FRANKS is selling two very nice heifers in our sale and they are bred right and in nice condition. M. L. HEIKEN, Coon Rapids, Iowa, is selling 4 good cows with calves at side and these will be real bargains. Our offering is made up of Blackcaps, Ericas, of the Enchantress, Elbas and a few Blackbirds. ELMER JOHNSON, Kiron, Iowa, is selling one or two very choice heifers in our sale. If you have not bought your bull as yet, and you want a good one, or if you want to buy some real heifers, we certainly have them for you in our sale. Write for our catalog at once and please mention Wallaces' Farmer and Iowa Homestead. Address

HOELSCHER BROS., Carroll, Iowa

Col. J. E. Halsey, Auctioneer M. T. White, Fieldman

GREATER THAN EVER . . . . . *The "Glory Road" Sale*

The MINNESOTA STATE SALE

SELLING AT AUCTION

★ 75 HAND-PICKED REGISTERED HOLSTEINS

MONDAY

MAY 26

Starting at 11 A. M.

OWATONNA MINNESOTA

In the Pavilion at the Steele County Fairgrounds

★

BUY IN MINNESOTA
The state that cradled the bloodlines that have stood the test of time.

★

A REAL QUALITY OFFERING

Traditionally a Leader in the State Sale Field, Minnesota is proud of her record and in this sale the leading breeders of the State have responded in a manner that insures an even greater offering than in recent years. All entries selected by the Sale Committee. You'll find the Ormsby Bloodlines intensified . . . the "Burkes," the "Chips" . . . the "Femco Almas" . . . the "Lashbrook Pearls" . . . and top Carnation Bloodlines, straightbred, and blended with the Ormsbys, in abundance.

THE CONSIGNORS

Lashbrook . . . Franlo . . . Gilkey . . . Herb Miller . . . St. Olaf . . . Heuer . . . Pagel . . . St. Louis County Farm . . . Marlow . . . Reineke . . . Macferd . . . Grahamholm . . . Kronebusch . . . Mueller . . . Ruble . . . Sweet's Highpath . . . Balfour . . . Hazeltine . . . Felk . . . Ridge Bros. . . . Starz . . . Jergens . . . Madline . . . Hussby . . . Dietz . . . Stromberg . . . Simon . . . Sommers . . . Parsons . . . Lieske . . . Robt. Olson . . . Johnson & Crabtree . . . Seath . . . and many others.

Catalog by 1st Class Mail, about May 15, 25c each

MINNESOTA HOLSTEIN BREEDERS ASS'N.

R. W. SEATH, Sec'y. OWATONNA, MINN.

IOWA COUNTY

ANGUS BREEDERS ASSOCIATION SALE

A production sale at the famous T. M. Donahoe & Sons farm, only 20 miles west of Iowa City, at

HOLBROOK, IOWA, MONDAY, JUNE 2, 1947

65 HEAD — 10 BULLS — 55 FEMALES

This **STRONGHOLD** for Angus cattle has produced some of the finest the breed affords, rich in the top blood lines. 15 of the leading herds have cataloged their best cattle. Bulls ready for service, pleasing in type and royally-bred, the females include a few cows with calves by great sires and rebred, choice young bred cows and heifers and attractive open heifers. The consignors are J. V. DRISCOLL & SON, T. I. McDONALD, W. J. HANSON, T. M. DONAHOE & SONS, C. C. CARTER, ANDREW GOODMAN, EARL ENICHSON, RAY O'BRIEN, DON KOENIGHEIN, THOS. DRISCOLL, LESLIE OLIVER, CARL JOHNSON, QUINCY LOCKRIDGE & SON, M. P. LAWLER, and CLARENCE DAIN & SON. Herds where good cattle are produced. Plan to attend. Ask for FREE catalog now. Please mention this publication. Address

IOWA COUNTY ANGUS BREEDERS **M. P. Lawler, Sale Mgr., Parnell, Iowa**

Auctioneer Roy Johnston

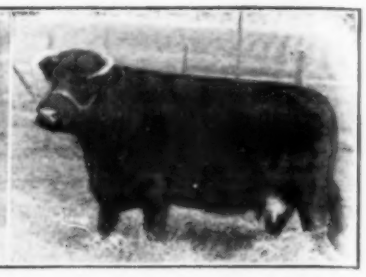
1907 — Fennern's Production Sale — 1947

Modern Type Shorthorns

In comfortable Marshalltown Livestock auction pavilion

Marshalltown, Iowa, Tuesday, May 27

Counts Emblem, a real herd bull prospect, with a great head. Lot 1 in sale.



Golden Maud 2d, a producer of top quality calves, sells as lot 29 in sale.

40 HEAD — 9 BULLS — 31 FEMALES

A choice draft from a herd established 40 years where present day Modern Beef Type cattle are produced. You will find daughters of **HAYLAND THISTLE, ALAUNA RADIANCE, RINGLEADER'S COUNT, GOLD ACCENT,** by Goldfinders Accent, **HELFRED CLEAR THE WAY,** and other well-known sires. The calves at foot are sired by **SUPERIOR BROWNDALE,** and those of breeding age will be mated to **SUPERIOR BROWNDALE** and **GOLD ACCENT.** Best in blood lines. We are retaining members of most every family. The offering includes 12 grand cows with big lusty calves and rebred; 16 choice bred cows and heifers and three excellent open heifers. The 9 bulls are by **GOLD ACCENT, RINGLEADERS COUNT,** and **THISTLE AGAIN.** Real prospects. Plan to attend. Ask now for FREE illustrated catalog. Please mention this publication. Address

A. R. FENNERN & SONS, GARRISON, IOWA

Auct. C. G. Mason. J. E. Halsey, Fieldman.

North Central

Iowa Angus Breeders Sale

At Fair Grounds

Mason City, Iowa

Thursday, June 5th

60 HEAD—45 FEMALES, 15 BULLS

This is one of the choice offerings to sell in this part of Iowa. All are the product of the best herds in this section. Bulls are ready for service. Practically the entire offering are under two years of age. There never was a better time to replace common grade cattle with purebred Registered cattle than now. The best of foundation breeding stock representing all the prominent families can be found in this group of good cattle. Whether you wish to found, improve or enlarge a herd . . . you will do well to attend this sale. Plan to attend. Ask for **FREE** catalog. Please mention this publication. Address

R. V. WILKINSON, Secy., ROCK FALLS, IOWA

Auctioneer, Roy G. Johnston Arthur Mallory, Sale Mgr.

Advertisement

From where I sit ... *by* Joe Marsh

We Got to the Fish Fry After All

That much talked-about community fish fry was sure a great success. There were plenty of appetizing extras, and Will Dudley did a right wonderful job of frying the fish—real soft and flaky inside—brown and crisp around the edges.

But we didn't get to go. The missus was tired after working in the yard, and we just didn't want to leave her.

Then how did we know the fish was so good? Because the folks didn't forget us. They sent Skippy Henderson over with two steaming covered plates of fish, and a pitcher of cool, sparkling beer. And we finished them off right in our own kitchen.

From where I sit, that's just one of the things that makes our town so nice a place to live in: a spirit of share and share alike. That plate of fish and glass of beer weren't just great *eating*, they were also symbols of the kindly thoughtfulness that makes for better *living!*

Joe Marsh

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MERCER COUNTY

ANGUS SALE

Located only 25 miles south of Davenport and 25 miles east of Muscatine, Iowa, at the fair grounds at

Aledo, Illinois

WEDNESDAY JUNE 4, 1947

107 HEAD -- 22 Bulls 85 Females

The "ABERDEENSHIRE OF AMERICA"

This rich and fertile section has gained the reputation as being the "ABERDEENSHIRE OF AMERICA," where outstanding, richly-bred Aberdeen-Angus cattle are produced. Some of the finest cattle produced of the breed come from herds in this section. Their annual sales have been some of the most prominent sales of the season, recognized as a sale where cattle of the most approved type, fashionable families, close-up of the breed's greatest sires in the country and Scotland are offered in numbers and quality, by reliable breeders . . . not exceeded in any sale. Cattle for this auction were selected many, many months ago . . . the large number of fine herds in this county afford an ample supply of the best. The 22 bulls have been selected and retained for this auction and include a fine group of bulls suitable for genuine herd-headers. They are well-grown, with strong heads, thick, smooth, and display evidence of making real sires. You can find a herd bull among them. Bulls of show-yard character and the sort to make good breeding bulls. The females are a grand lot, several splendid cows with big lusty calves at foot, by great sires and rebred to them. Many young cows and heifers well forward in calf to top herd bulls in service in this section with many beautiful open heifers. All are desirable age with representatives of the following families, **BALLINDALLOCH GEORGINA, BALLINDALLOCH JILT, McHENRY BLACKCAP, McHENRY BARBARA, BLACKCAP EFFIE, GLENCARNOCK ELBA, CRIDLAN EVERGREEN, K. PRIDE, BLACKCAP,** and other popular families are available, not featured as special attractions, but with quality and numbers that will afford buyers a satisfactory selection of high-class, richly-bred breeding animals. The sires represented are strong in **SUNBEAM . . . EILEENMERE . . .** and **BANDOLIER** blood-lines. Nothing finer, which assures their future breeding usefulness. A beautiful illustrated catalog with full information sent FREE on request. Ask for it now. Please mention this publication. Address

H. McWHORTER, Secy., ALEDO, ILL.

MERCER COUNTY ANGUS ASSOCIATION

Auct. Roy Johnston J. E. Halsey, Fieldman

A Hereford Dispersion

To be held in a comfortable pavilion at

Humeston, Iowa

Thursday, May 29th

137 Head -- 115 Females 22 Bulls

2 GREAT WHR HERD BULLS SELL
20 SPLENDID YOUNG BULLS READY FOR SERVICE
40 BREEDING COWS WITH BIG CALVES AT FOOT
55 YOUNG BRED COWS AND HEIFERS
20 MOST ATTRACTIVE OPEN HEIFERS

This herd has been established for many years and a firm where good herd sires have always been used. They now own the best two bulls they ever used. One is **WHR PROUD MIXER 22d,** a member of the **WHR** 1944 Grand Champion carlot of bulls. He sired the top selling bull in the Wisdom fall sale. He is a son of **WHR PRINCEPS MIXER.** Most of the young bulls and females are sired by **WHR PROUD MIXER 22d,** his progeny in the sale will please. The other herd bull, **WHR DIPLOMAT,** was purchased a year ago . . . after he had served as one of the herd bulls in the Wyoming Hereford Ranch. He is a son of **WHR FLASHY MONOGRAM,** and out of a Dam by **PIONEER.** He is a grand individual and a sire of a number of the spring calves. You will like the calves by him. Both **WHR** herd sires are in their prime as breeders. A real opportunity for someone to secure good tried and proven sires. Their progeny in the auction will prove their worth as sires. The 20 young bulls, most all ready for service include herd bull material. The females include 40 grand breeding matrons with big, lusty calves at side by the herd bulls and most of them are rebred. 55 young cows and heifers bred to the two great herd sires and 20 most attractive open heifers. This large number affords a wide selection. Remember a Dispersion offers bargains. Plan now to attend. Ask for **FREE** catalog. Please mention this publication.

THURLOW BROS., LE ROY, IOWA

Auctioneer, Freddie Chandler M. W. Boney, Fieldman

EASTERN IOWA ANGUS BREEDERS

BEEFLAND SALE

(At Mississippi Valley Fair Ground

Davenport, Iowa, Wed., June 18

Boys' and Girls' Judging Contest at 10:00 A. M. Eligible age for contest, 10 to 18 years old. Davenport Chamber of Commerce donates a Plaque to winner.

69 HEAD—13 BULLS, 56 FEMALES

Some of the best herds in **Scott, Muscatine, Clinton,** and **Jackson** Counties list their best cattle. The bulls are most all ready for service . . . real herd heading prospects. The females include 15 grand cows well forward in calf to top herd sires, 15 choice bred heifers and 23 beautiful open heifers. The sort for breed improvement. The families are **BARBARA, GEORGINA, BEAUTY OF HAYSTON, BLACKCAP, BLACKBIRD, GLENCARNOCK** and **FINLARIG ELBA, ROSEMERE PRIDE, K. PRIDE,** and **QUEEN MOTHER** . . . best in breeding. The offering is strong in **ROSEMERE, GLYN MAWR, BELL BOY** and **HANNA blood lines.** Some of the sires represented are **BLACKCAP BARRY, ELBAMAR 2d, GENERAL 2d OF BORDULAC, BURGESS 66th, BURGESS 83rd, BUXOM LAD 4th, BARRY 6th OF WILTON, BLACKCAP REV. H. 6th, LINCOLNMERE,** and **RAONA'S BURGESS 4th.** Show and breeding cattle of the highest order. Plan now to attend. Ask for **FREE** catalog. Please mention this publication. Address

OLIVER A. HANSEN, Mgr., DURANT, IOWA

Auctioneer, Roy G. Johnston J. E. Halsey, Fieldman

MINNESOTA BEEF

Shorthorn Show and Sale

SHOW 10:00 A. M. **SALE 1:00 P. M.**

At fair grounds, located just north of state line

BLUE EARTH, MINNESOTA,
THURSDAY, JUNE 5, 1947

50 HEAD — 15 BULLS — 35 FEMALES

A selected offering of richly-bred cattle from the leading herds of the state. Good bulls ready for service, females include cows with calves, bred cows and heifers and open heifers. Cattle of foundation caliber. The consignors are N. T. FINDAHL, SYLVESTER WESLEY, H. A. CRAFT, OTTO T. HANSON, ARTHUR JOHNSON, CHARLES EWALD, VERN STELPLUGH, GEORGE ARNTZEN, MRS. JULIUS SANDSNESS & SONS, GEORGE LAURISCH, HUSO BROS., WM. L. SCHNEIDER, E. L. JANSSEN and JOHN HAASE & SONS. All cattle T. B. and BANG'S tested. Can ship any state. A place to buy good cattle. Plan to come. Ask for FREE catalog. Please mention this publication. Address

FRED J. GEISLER, Mgr., BLUE EARTH, MINNESOTA

Auctioneer J. E. Halsey

Iowa Jersey Cattle Club State Sale

At Iowa State Fair Grounds

DES MOINES, IOWA, MONDAY, JUNE 9th—12:30 P. M.

50 Head "Top Quality" Registered Jerseys

Selected by W. J. Keegan, AJCC Fieldman and parish committeeman from their respective sections of the state. All sale cattle meet requirements for **Production, Type** and **Health.** Sale governed by "CODE OF ETHICS" as set up by "The Purebred Dairy Cattle Association."

COWS (2 to 8 yrs. old)—BRED HEIFERS, YEARLING HEIFERS

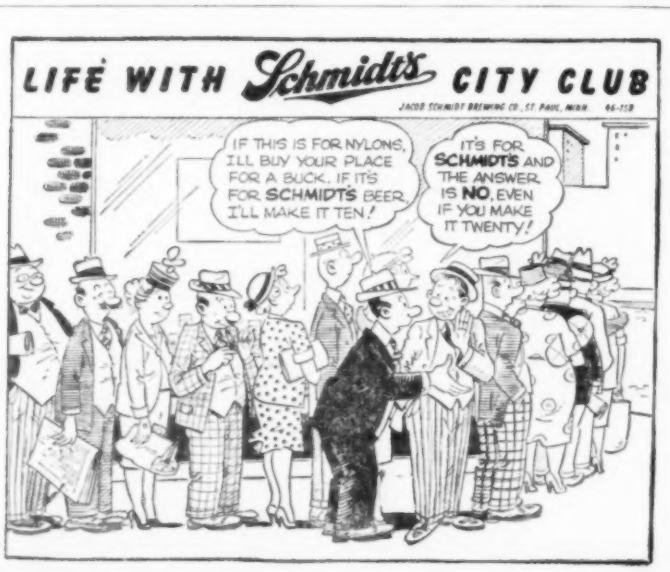
HEIFER CALVES and 3 of the BEST YOUNG BULLS in the State.

Buy from "THE STATE SALE"—with the assurance that you are getting "TOP CATTLE"—Whatever your needs may be—look for it at the IOWA STATE SALE. All blood lines will be represented. Many calfhood vaccinated. All **T.B.** and **Bangs** tested. Ask for **FREE** catalog, ready May 20th. Please mention this publication. Address

IVAN N. GATES, Sale Mgr., WEST LIBERTY, IOWA

AUCTIONEER: TOM McCORD

STATE SALE COMMITTEEMEN: Donald Jones, Shenandoah; C. W. Howe, Des Moines; R. Claire Wemer, Rose Hill; Ivan N. Gates, West Liberty; E. S. Baughman, Bloomfield.



Registered Herefords

PARKER, SOUTH DAKOTA
JUNE 2, 1947
81 Bulls and Females

The highest quality we have ever produced. **HAZLETT, BEAU ASTER, REAL PRINCE DOMINO** and **BATTLE MISCHIEF** 7th blood lines, recognized as the leaders in the breed today. Ask now for **FREE** catalog. Please mention this publication.

BONES' STOCK FARM, Inc.
Parker, South Dakota

SOUTH CENTRAL

IOWA SHORTHORN SALE

In pavilion

Knoxville, Ia., Mon., May 26th

85 HEAD — **45 BULLS READY FOR SERVICE 10 cows and calves, 15 Bred cows and heifers, 15 open heifers.** The best lot of cattle ever presented by this Association. Good bulls ready for service, suitable for herd sires and ready to turn out. Buy your bull here. The females are the profitable sort. Plan to come. Ask for FREE catalog. Please mention this publication. Address

WALTER L. BROWN, Manager
Knoxville, Iowa
Auct. J. E. Halsey

When writing to advertisers, will you please mention this paper?

HORSES

Belgian and Percheron Yearling Colts
1 Five-year-old Percheron Mare

DAIRY BULLS

Calves from 2 to 8 months of age of the Holstein, Guernsey, Jersey, Brown Swiss and Ayrshire breeds.

Animal Husbandry Department
IOWA STATE COLLEGE, AMES, IOWA

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PLEASURE AND SHOW MARES
GELDINGS, STALLIONS AND COLTS
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BULL AND HEIFER CALVES

Beautiful Holstein, Swiss and Guernsey bull and heifer calves. Registered and grades. Good breeding. Reasonable. Will ship on approval.
J. M. McFarland, Watertown, Wis.

DAIRY CATTLE
Full blood and high grade Jersey, Holstein, Guernsey and Shorthorn heifers, 1-3 weeks, shipped C.O.D. subject approval. $25.00. Also yearlings and springers.
MIDWEST CATTLE COMPANY
Box 15 Kansas City, Missouri

GUERNSEYS

GUERNSEYS

OAKLAND GUERNSEY FARM, MUKWONAGO, WIS., offers 5 to 30 1-month-old Guernsey heifer calves at $35 each, delivered on approval. Also older heifers.

WISCONSIN GUERNSEYS

Month old heifer calves. Production bred—good color—satisfaction guaranteed. $35.00 each C.O.D. on approval. All express charges prepaid. Order from this ad. CHANDLER DAIRY FARM, LAKE GENEVA, WIS.

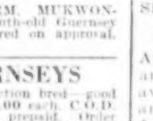
GUERNSEY BULL CALVES

Choice bull calves by CATHEDRAL BILMA'S VICTORIOUS and out of high testing dams. Good quality. Priced reasonable.
C. LORRAINE BRUCE
R. 2, Box 138 CHEROKEE, IOWA

HOLSTEINS

BUTTERFAT HIGHER IN VITAMIN A

Contrary to general belief, there can be as much as 60% more true Vitamin A per unit of fat in Holstein milk than in that from breeds giving yellower cream. Yellower cream does not indicate greater richness — it merely shows that the carotene in the cow's feed has not been fully utilized or converted.



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HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA • Brattleboro, Vermont • Box 1082

HOLSTEINS

Offering 5 to 30 high grade Holstein heifer calves, 1 month old at $35 each delivered. Also a few Brown Swiss.
H. R. LOBDELL MUKWONAGO, WIS.

HOLSTEIN AND GUERNSEY
HEIFERS
All ages. Some bred. Good breeding. Sold on approval.
JAMES E. WELCH MUKWONAGO, WIS.

CHOICE HEIFER CALVES

from high production cows. Holstein and Guernseys. $33.00 plus express.
GREENWALD BROS.
Oakland Dairy Farms Mukwonago, Wisconsin

JERSEYS

JERSEY BULLS

Registered bull calves. Every calf from a good cow. Herd averaged 420 lbs. butterfat per cow for 13 years. Herd free T.B. and Bangs.
J. J. NEWLIN
Polk County Johnston, Iowa

GOLDEN SUNSET JERSEYS

A few choice bull calves for sale—grandsons of Xenia Sparkling Standard, Imported Design Emblem and other leading sires. Free list.
ENNIS STOCK AND DAIRY FARM
FESTUS, MISSOURI

BUY BONDS AND STAMPS TODAY !!

Livestock News

The Minnesota Angus Breeders held their show and sale at Luverne, Minn., May 1, at a time when farmers were unusually busy, and the size of the crowd no doubt was decreased by this fact. Dick Sawyer, Howard, S. D., made the awards in a capable manner. Clement C. Chase, secretary, worked hard to make the event successful. The grand champion bull was Patriot's K. Pride of Elmdale, from the Eikmeier Bros. herd at Pipestone, Minn., and sold for $525 to Edw. Schults, Rushmore, Minn. The reserve champion was Highland Blackmere 2d, from Campbell Bros., of Utica, Minn., and brought $500. He went to Geo. Klinker, Sr., Lakefield, Minn. The top bull was Blackcap Repeater 5th, a Blackcap Bessie from the John A. McKinney herd, Granite Falls, Minn. He brought $535 and was purchased by Aledo M. Welk, Blue Earth, Minn. The grand champion female was Jet's Edella A., a March heifer from the Emil Travland herd, Alden, Minn., and brought $250. She went to H. W. Sawyer & Son, Howard, S. D. The reserve champion female was Elba of Truman, from the herd of Herbert L. Mensch, Truman, Minn., and sold for $345 to L. D. Russell, Madelia, Minn. The top female was Elbance Marshall 1st of Madelia, from the E. W. Brown herd, Luverne, Minn., and sold for $470 to Brezee & Son, Clear Lake, S. D. The 29 bulls averaged $304, with 39 females at $263 each and the 68 lots at a general average of $281. The cattle went to buyers in Iowa, Minnesota and South Dakota.

The Northeast Missouri Hereford show and sale, Memphis, Mo., April 25, brought out a large attendance. George E. Leslie, Jr., secretary, worked hard to make the event a success. The awards were made in an able manner by Sam B. Marting, Washington Court House, Ohio. The champion female was Belle B. Domino 5th, by N. Advance Domino 2d, and consigned by S. Burns & Son, Pulaski, Iowa. She sold for $600 to Vern Wagler, Pulaski, Iowa. Miss Leiston 103d was the reserve champion female. She was from the herd of Geo. E. Leslie, Jr., and sold for $425 to G. R. Breidenstein, Kahoka, Mo. Miss Allied Ann, from the herd of J. W. Dunn & Son, went at $500 to Dick Sinclair, Kahoka, Mo. The grand champion bull, Prince James 6th, was consigned by Don De Voss, Cantril, Iowa. He is a son of Prince James and sold for $400 to Spurgeon Bros., Williamstown, Mo. The reserve champion bull was Bell's Mischief 16th, owned by Clifford Bell, Jr., Pulaski, Iowa, and sold for $455 to Harold Chatfield, Columbus Junction, Iowa. The top bull was Allied Domino D. 22d, from the J. W. Dunn & Son herd, and sold for $525 to Paul Schafer, Glenwood, Mo. Cattle went to buyers in Iowa, Illinois, Missouri and Ohio. The 58 females averaged $225, with 22 bulls at $299 each, and the 80 lots sold for $21,390, a general average of $267.40. Auctioneers, Roy Johnston and Simms.

The Adel Hereford sale, on Saturday, April 19, drew a good crowd in spite of an all-day rain, and the bulls sold at an average of $231 per head, with 25 cows and heifers averaging $228. No. 48, a June yearling consigned by Axel L. Johnson, went to Marion Neff, Millerton, Iowa, at $355. The top cow was consigned by Ray O. Stark, and she went to Albert Dewitt, Peru, Iowa, at $460. She had a little age on her, but she was a grand, good cow. Esther Domino 5th, consigned by R. C. Mack, went to Ralph Grammer, Truro, Iowa, at $400. Dorette Domino, consigned by Albert Dewitt, went to John Hurley, Granger, Iowa, at $440. Wm. Royer, Dallas Center, Iowa, took Donna Armist 1st at $290. Ray Johnson, Van Meter, Iowa, bought Dapper Domino 2d, an Albert Dewitt bull, at $300. W. D. Gooding, Shenandoah, Iowa, took the bull, Coronet Blanchard, consigned by Franks & Stewart, at $300. No. 15, a Grimes Hereford Farm bull, went to A. J. Scranton, Perry, Iowa, at $300. Choice Advance, consigned by N. M. Leonard, was taken by Charles Howard, Unionville, Mo., at $300. The Charley McKinney bull, Murray Advanxiety, went to M. V. Rieman, Yetter, Iowa, at $300. W. C. Evans, Lucas, Iowa, took Sr. Advance Domino 1st, consigned by the Simpson Polled Hereford Farms, at $350. J. E. Halsey was the auctioneer in charge of the sale.

The Clarke County Hereford sale, at Osceola, Iowa, April 26, under the management of Wayne O. Burchett, was successful. The top bull was consigned by Frank M. Hayes, Creston, Iowa, and sold for $300. The top female was consigned by Walter J. Blauer, Afton, Iowa, and was purchased for $167.50 by D. D. Slaymaker, who was the heaviest buyer.

The Botna Valley and Shelby County Aberdeen Angus Associations will hold their annual picnic at the home of Otto Franks, Irwin, Iowa, on June 8. Franks' farm lies five miles northeast of Irwin and five miles east of Manilla, Iowa. Everybody interested in Angus cattle is invited to come and bring their lunches with them, and enjoy the day with this well-known breeder.

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High Grade JERSEYS.
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G. K. EDLEMAN WEBB, IOWA

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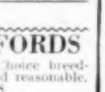

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CORONET ROYALIST X 2124397, a Thieman bred sire, a 5-year-old and 100% polled breeder, low-set, easy-keeper for sale. Also young bulls, 12 to 16 months old by him. Reasonable.
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PUREBRED HAMPSHIRE FALL BOARS AND OPEN GILTS FOR SALE

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PHILIP JOHNSTON & SONS ONAWA, IOWA

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Fall boars, the low-down type, the kind the farmers and breeders like. To improve your herd, buy one of these.
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America's most useful dogs. Puppies all ages. Both sexes. Choice colors. Faithful workers. Satisfaction guaranteed. We breed and sell our own stock.
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Coming Livestock Sales

ABERDEEN ANGUS

May 19—Tall Corn Assn., Marshalltown, Iowa; C. G. Mason, Secy.
May 23—Chas. Rundell & Son, Elpaso, Ill.
May 23—Southwestern Wisconsin Assn., Lancaster, Wis.; J. C. Perrin, Sale Mgr., Bloomington, Wis.
May 28—Hoelscher Bros., Arcadia, Iowa; sale at Carroll, Iowa.
June 4—Mercer County Breeders, Aledo, Ill.; Hugh McWhorter, Secy.
June 5—North-Central Iowa Breeders Assn., Mason City, Iowa; R. V. Wilkinson, Secy., Rock Falls, Iowa.
June 7—L. R. Morford, Iowa City, Iowa, and H. C. Meredith, Searsboro, Iowa.
June 9—Wayland Hopley & Sons, Atlantic, Iowa.
June 10—South-Central Iowa Assn., Oskaloosa, Iowa; Clyde A. Hanna, Secy., New Sharon, Ia.
June 11—Harken Farms, Osceola, Iowa.
June 17—Central Illinois Breeders, Congerville, Ill.; S. E. Lantz, Secy.
June 18—Eastern Iowa Breeders, Davenport, Iowa; Oliver A. Hansen, Mgr., Durant, Iowa.
Sept. 19—V. C. Swigert, Clinton, Ill.
Sept. 20—Central Illinois Breeders, Congerville, Ill.; S. E. Lantz, Secy.
Sept. 27—Minnesota State Sale, Montevideo, Minn.; Glen C. Chase, Secy., Box 669, Pipestone, Minn.
Oct. 2—Mercer County Breeders, Aledo, Ill.; Hugh McWhorter, Secy.
Oct. 3—Northeast Missouri Breeders, Memphis, Mo.; W. R. Dierks, Secy.
Oct. 4—John D. Warin and Morris O'Conner Sale, Maloy, Iowa; John D. Warin, Mgr.
Oct. 7—Rotna Valley and Shelby County Assn., at South Omaha, Neb.; E. J. Baker, Mgr., Exira, Iowa.

HEREFORDS

May 22—Wisconsin Hereford Assn., Madison, Wis.; Homer Graber, Sale Mgr., Mineral Point, Wis.
May 23—Chas. Bianchi, Owner, Macon, Mo.
May 27—Bluegrass Breeders Assn., Albia, Iowa; Glen Hazen, Mgr., Ottumwa, Iowa.
May 29—Thurlow Bros., LeRoy, Iowa.
June 2—Bones Stock Farm, Parker, S. D.
June 3—Minnesota Assn. Show and Sale, Worthington, Minn.; Roland H. Abraham, Secy., Lakefield, Minn.
June 12—North Iowa Assn., Mason City, Iowa; Leigh R. Curran, Mgr.
Sept. 15—Circle A Hereford Farm, Morris, Ill.
Sept. 20—Oscar C. Sevig, Walford, Iowa.
Oct. 1—Wiese Bros., Donohoe, Iowa.
Oct. 11—Reed and Hayden sale, at Orient, Iowa; T. M. Hayden, Mgr., Creston, Iowa.

POLLED HEREFORDS

June 12—North Iowa Assn., Mason City, Iowa; Leigh R. Curran, Mgr.
Sept. 11—Worner Hereford Farm, Mason City, Ill.

RED POLLS

June 6—Breeders Sale, Austin, Minn.

SHORTHORNS

May 26—South-Central Iowa Breeders, Knoxville, Iowa; J. M. Davis, Secy.
May 27—A. R. Bennern & Sons, Garrison, Iowa; sale at Marshalltown, Iowa.
May 30-31—Sni-A-Bar Farms, Dispersion, Grain Valley, Mo.; Merv F. Aegerter, Sale Mgr., Seward, Neb.
June 2—Ethllyn Farms, Wilson, Ill.
June 5—Minnesota State Sale, Blue Earth, Minn.; Fred Geisler, Secy., Blue Earth, Minn.
June 11—W. A. Cochel, Kansas City, Mo., and Bellows Bros., Maryville, Mo.
June 21—Breeders Sale, Abingdon, Ill.; Hal Longbo, Mgr., 16 S. Locust St., Aurora, Ill.
June 24—Noel Johnson, Dispersion, Welcome, Minn.; Merv Aegerter, Mgr., Seward, Neb.
Sept. 15—Southwest Iowa Assn., Red Oak, Iowa; M. D. Lomas, Mgr.
Sept. 22—Marshall County Breeders, Marshalltown, Iowa.
Sept. 26—Eastern Iowa Assn., Cedar Rapids, Iowa; Don Penningroth, Mgr., Wellman, Iowa.
Sept. 27—Holz Bros., Rippey, Iowa.
Oct. 4—Swanson Bros., Estherville, Iowa.
Oct. 6—Northwest Missouri Breeders, Rockport, Mo.; James Meyer, Mgr., Maryville, Mo.
Oct. 8—Penningroth Bros., Wellman, Iowa; Carlton Reed, Bellevue, Iowa, and Gilbert Kardel, Walcott, Iowa.
Oct. 14—Breeders Sale, Abingdon, Ill.; Hal Longbo, Mgr., 16 S. Locust St., Aurora, Ill.
Oct. 30—Ted Whitford, Velva, Iowa; S. Davis & Son, Wadena, Iowa, and Fred Rothlisberger & Son, Elgin, Iowa.

MILKING SHORTHORNS

June 28—Breeders Sale, Mason City, Iowa; Roy A. Cook, Mgr., Independence, Iowa.

POLLED SHORTHORNS

May 21—Minnesota State Sale, Slayton, Minn.; M. H. Bassett, Mgr., Rushville, Minn.
June 6-7—National Polled Shorthorn Congress, Lexington, Ky.
Oct. 7—Sioux Empire Sale, Sioux Falls, S. D.; John F. White, Mgr., Canton, S. D.
Oct. 13—Iowa Polled Shorthorn Club, Des Moines, Iowa; Earl S. Girton, Mgr., Marshalltown, Iowa.
Oct. 25—Illinois State Sale, Normal, Ill.; Hal Longley Sale Mgr., 16 S. Locust, Aurora, Ill.
Oct. 28—Missouri State Sale, Sedalia, Mo.

DAIRY CATTLE

May 24—Wildwood Farm, Shawano, Wis.; Chas. L. Hill, Mgr., Rosendale, Wis.
May 26—Minnesota State Holstein Sale, Owatonna, Minn.; A. W. Petersen, Mgr., Oconomowoc, Wis.
June 9—Iowa State Dairy Club, Des Moines, Iowa; Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
June 10—Elmer and Merle Simpson Dispersal, Terril, Iowa; Ivan N. Gates, Sales Mgr., West Liberty, Iowa.
Oct. 14—Iowa State Sale, Waterloo, Iowa.

FEEDER CATTLE

Sept. 4—Oswald Strand & Sons, Manly, Iowa.

SHEEP

June 23—W. F. Renk & Sons, Sun Prairie, Wis.
June 25—North American Hampshire Stud Ram and Ewe Sale; Perry Ewing, Jr., Columbia, Mo.; Sales Mgr.

LIVESTOCK FIELDMEN

M. T. WHITE, 604 No. Fortieth St., Omaha, Nebraska. Phone Walnut 1056.
J. E. HALSEY, 1912 Grand Ave., Des Moines.

We publish the first and third Saturdays of every month. Copy for livestock advertising must reach our office 15 days before date of issue.

Livestock News

The Eastern Iowa Shorthorn sale, at Cedar Rapids, Iowa, April 29, occurred when many farmers were busy in the fields. Don Penningroth, sale manager, deserves much credit for bringing together a desirable offering. The top bull was Supreme Command, a son of Divide Gold Cadet, and consigned by Leeper & Son, Packwood, Iowa. He sold for $425 to Wayne Bolger, Blairstown, Iowa. Gainford Pride, a red son of Gainford Marshall, from the H. K. Owens herd at Homestead, Iowa, sold for $300 to Ed Hunt, Tiffin, Iowa. The top female was Waterfield Claudia, with a bull calf and bred to M. F. Royal Leader. She was consigned by Urice Bros., Vinton, Iowa, and sold for $340 to A. F. Schultz, Cedar Falls, Iowa—and she was a real bargain. Rockhaven Mysie 3d, with heifer calf and bred to Helfred Spotlight, was consigned by Rockhaven Farm, Mt. Pleasant, Iowa, and sold for $330 to Glen Von Sprecken, Olin, Iowa. The 28 females averaged $238, with 19 bulls at $227, and the 47 lots sold at a general average of $233. All cattle went to Iowa buyers. Auctioneer, J. E. Halsey. This association will make a fall sale on September 26.

Around the Farm AND IN THE Feed Lot

by HOWARD MARSHALL

LONG RANGE FARM program planning is keeping agricultural leaders occupied. And it's probably a good thing they are starting early. Experience since the war ended indicates it's becoming increasingly difficult to get more than one power to agree on any kind of a peacetime program. The present price support program doesn't expire until the end of 1948, but 18 months won't be any too long to get a new plan ready for agriculture.

AGRICULTURAL PLANNERS are striving to develop a program calling for continued abundance, but they're also looking for a means to encourage high domestic and foreign consumption. One suggestion which might be used in hard times would boost the buying power of the poor, rather than pay farmers to produce less. The future program is serious: It will have an important bearing on the livelihood of 26 million American farm people and 115 million others.

FARMING IS A BIG gamble, but so is life. Washington economists aren't completely accurate or they'd all be millionaires. However, here are some of their "unofficial" predictions. Let's see how close they come. They expect an upswing in the wheat market this month. Corn may dip to loan rate levels by December if we have a big crop. Dairy prices will hold above supports until next spring. Eggs will hover above the support price line until more meat moves. Hogs won't drop to price floors this year, but they may in 1948.

IN THE ROLLING section of Iowa practically all of the grain raised is fed to livestock. Madison county is situated in one of these areas where farmers make good use of Walnut Grove Minerals to balance rations. Among the many customers served by C. O. Beverlin, a long-time user of Walnut Grove himself, are farmers like Albert Carlson, Clyde Umstead, Wm. Jackson and son Emery, O. G. Wallace, Everett Oglesbee and Leo Dick.

MANY POULTRYMEN have complained about outbreaks of cannibalism in their baby chicks this spring. Lack of housing room and exercise is generally the reason, although lack of fiber in the feed or excessive light and heat may be a contributing factor. A Nebraska poultryman suggests adding a teaspoonful of salt to each gallon of water and feeding germinated oats, lawn clippings, or other greens to older chicks as one means of helping out.

IOWA POULTRY RAISERS will have an opportunity to show their prize birds at the county and state fairs this summer. But they'll want to check into the lengthy list of health precautions and regulations which have been laid down by the Department of Agriculture. Apparently, the threat of Newcastle disease isn't as serious as it was last year. On the other hand, looking over the health rules—perhaps it is.

IN THE BEAUTIFUL lake country of Northern Iowa, around Storm Lake, our Walnut Grove Minerals have been favorites as feed balancers for many years. Earl Mandernach services southern Buena Vista county, where we number among our long-time customers farmers like Jens Nielsen and Son, Norman Pike, Leo Schuler, Oscar Halengren, Nels E. Johnson and Ernest G. Johnson. These and others have found from experience the value of a complete mineral mixture.

HOG RAISERS in the corn belt have one eye on the feedlot and the other on the National Barrow Show, scheduled for Austin, Minn., September 15-19. The standards for market hog production are pretty much set by judges at this event, which is marked to become the most outstanding swine congress in the world. Nine breeds of hogs will be featured at the Austin show.

FIVE CALIFORNIA COUNTIES lead all others in the great nation of ours in the total value of farm products. As a matter of fact, the Census Bureau points out 26 of the top 100 are located in the sunshine state. Illinois has 13 counties listed in the select group, and Iowa has 10. Among the remaining 23 states with one or more ranking counties, those from the midwest include Wisconsin with five, Minnesota with three and Nebraska with one.

LOSS OF APPETITE and general dislike for work is characteristic of some horses this time of year. And it's not because they've heard there's a tractor salesman in the neighborhood. Horses, what few there are of them, are a lot like people. They don't do their best with a toothache. We can't remedy the situation by ordering them a plate, but a dental check-up might give Old Dobbin a better outlook on life.

GOOD FEED, properly balanced, is the proven way to raise healthy livestock and at the same time produce meat economically. Some of our customers in Dallas county, Iowa, who believe in balanced feeding and who use Walnut Grove to get the job done, include Ralph Barrett, Harold Dawes, and Ira, William, Martin and Galen Stine (four brothers) and Galen's son, Ray, on five different farms. Claude West serves the farmers in this territory.

ALTHOUGH HALF of the nation's farmers employ no help at all, wages are an important expense item for those who do. One-fifth of the American farmers employ 90 per cent of all farm labor. However, about one out of every four farm workers is also a farm operator or a member of a family who does work for wages on a neighbor's farm.

FARM WAGES will likely remain high throughout most of this year, but economists predict they will begin to taper off slowly before the next crop season rolls around. During the war, farm wages tripled, but the output per worker stepped up in similar proportion. Much of this was attributed to increased use of labor-saving devices, increased crop yields, and more efficient operations. This season, efficiency will be as important as ever in history, because the margin of profit is going to run smaller than it has for several years.

WALNUT GROVE MINERALS fed with home grown grains, enable livestock to show greater feeding efficiency. Perhaps that's one reason why Marshall county, Iowa, is known for its good stock. Among our many customers in this fine territory, we find Joe Fitzgerald, V. L. Newton, John Gray and James Gray (brothers), Wm. Brown, Dan Ward and Ed Herzog. For many years John McMahon, of Laurel, has been looking after this business.

HERE'S A POINT for the dairy farmer to remember: Early grass is much higher in moisture content than it is later in the season. It's true cows need a lot of water, but they need something else to go with it. That's why it's well to continue feeding some hay for the first few weeks after the herd has been turned out to pasture. A little grain, protein and mineral will add to the diet and likewise will pay big dividends by way of the cream check.

ON THE AVERAGE dairy farm, today, the operator spends about 55 per cent of his time, or about nine hours daily, doing the heaviest kind of drudgery. Perhaps this is why the University of Wisconsin is building an experimental farm which operates almost entirely by push-button controlled machinery. The manual labor requirement will be reduced to two and a half hours daily. At least, that's the time necessary to push the buttons and oil the machinery.

Walnut Grove Minerals

SOLD ONLY BY *DEPENDABLE REPRESENTATIVES*
★ HOME OFFICE ATLANTIC, IOWA

Iowa Hereford History

The Iowa Hereford Association was started from a suggestion of C. A. Iverson, of Ames, at a meeting of Hereford breeders on June 20, 1937, at Iowa State College, Ames, Iowa.

The Hereford breeders met at Ames for a picnic. The Hon. Dean C. F. Curtiss addressed the group concerning "The Livestock Business of the State." It was agreed to start the Iowa Hereford Association. Joe W. Kridelbaugh, of Chariton, was nominated and unanimously elected president. J. C. Holbert was made secretary and treasurer.

From this meager beginning, the association progressed slowly, with considerable lost motion for two years. In the winter of 1939, a successful sale was held at Des Moines, and after that the association took on new life. The following year, 22 breeders each donated a heifer to be sold in the 1940 sale. The proceeds from these heifers were turned over to the Iowa Hereford Association. That started the association on a definite trend upward.

The story has been a simple one, but a conservative one, with definite progress being made each year after 1939. Today, the Iowa Hereford Association is the most successful of any state association in the United States, regardless of breed. It holds the largest and most outstanding state association shows and sales of any breed.

The Iowa Hereford Association is incorporated as a non-profit organization. The work is purely one of promotion, and this promotion consists of spreading the idea of better beef cattle, especially better Hereford cattle, with a great deal of emphasis being laid on better Hereford cattle in the state of Iowa.

The organization is operated at a very minimum of expense to the breeders. Under the auspices of the Iowa Hereford Association there has been over $500,000 worth of business done at an expense to the breeders of less than five-tenths of one per cent.

Any breeder of purebred Hereford cattle in Iowa is eligible for membership and can sell his purebred registered Herefords in the annual sales, provided his annual dues are paid and health requirements are met.

The work of the association has improved Iowa Hereford cattle to a marked degree. It has stimulated interest among Hereford breeders of Iowa. It has been of tremendous advantage to the small breeders, for it has given these breeders a good outlet for their breeding stock thru the association's shows and sales.

It has popularized Iowa Herefords in other states because year after year cattle purchased in the Iowa Hereford Association shows and sales have gone in to other states and made outstanding records in other shows, sales, and in breeding herds.

In the 1947 Iowa Hereford Association show and sale there were 107 exhibitors from 48 Iowa counties, who consigned 378 head of purebred Hereford cattle which sold for an average of $395 to 156 Iowa buyers, and there were nine other states represented by purchasers who took 109 head of top Herefords back to their own states.

The present officers are: President, E. C. Turkington, of Letts, Iowa, and secretary and treasurer, J. C. Holbert, of Washington, Iowa.

Burns Bros. & Sons, Oxford, Iowa, held their Angus sale on April 26, with a fair crowd of buyers. Top female was Eberlee S., a daughter of Bendon's Lad, and sold for $900 to Lloyd Guyer, of Maquoketa, Iowa, who also bought Elbina S. 12th, by the same sire, for $575. Estralita, a choice cow, was selected by I. E. Kemp, Marion, Iowa, at $750. Barbara B. 169th sold for $500 to Henry Bartenhagen, Columbus Junction, Iowa. The top bull was Empress Bell Boy K., and sold for $450 to Adolph Seivers, Oxford, Iowa.

● Excellent educational and descriptive material on these subjects is offered to you FREE by advertisers in this issue. Write direct to the manufacturers whose advertisements appear on these pages for your copy of this information.

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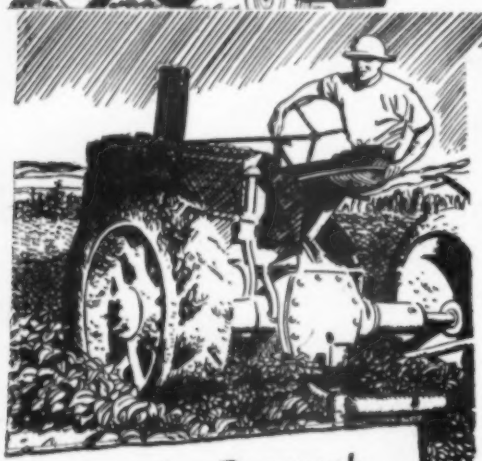
The Tank Truck



How a 20-Acre Garden Became a 535-Acre Farm!

JOE CRISAFULLI started a garden 30 years ago to supply vegetables for his grocery store in Glendive, Montana—and the garden grew till it swallowed up the store! Because Joe found he couldn't keep up with the demand for his superior vegetables, he enlarged his "garden" yearly—and now has 535 acres!

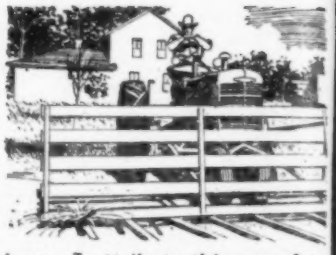
Joe, himself, was too busy working to be included in the picture here, showing his sons Angelo, Frank and Joe, Jr., with one of the family's three tractors. But he wasn't too busy to say that he attributes the long life of all his farm equipment to Conoco lubricants—which he has used continuously for 30 years!

Molecular Research and FARM OILS!

WHAT'S molecular research got to do with farm oils? Plenty!—for just such research developed Conoco Nth motor oil! Its remarkable ingredient uses the basic natural force of *molecular attraction* to bond extra lubricant so closely to metal that working parts of any engine are actually OIL-PLATED! Since OIL-PLATING doesn't all drain down to the crankcase—even overnight—you get *extra* protection against corrosive wear in standing . . . against excessive wear in "dry" starting . . . against undue wear in regular running . . . and against breakdown—carbon—sludge . . . caused by wear!

Ask your neighbors who use Nth oil what *they* think about its benefits! Or call your Conoco Agent for quick delivery of Nth oil to make *your* big change to an OIL-PLATED engine! Call him today!

General Custer Camped Here!



BACK EAST, the way to brag about an old house is just to say, "*George Washington slept here!*" J. A. Perry, Jr., who manages the 20 Cattle Company near Forsyth, Montana, has a good western version of that brag. He says of his ranch, "*General Custer camped here!*"—and he can prove it by the historical marker on the ranch.

That's not Mr. Perry's only brag about the 20 Ranch and its operations, though, for he writes about the tractors he uses: "My Model H is six years old and in that time has only had spark plug changes and a tappet adjustment. It still operates at top efficiency and needs no makeup oil between crankcase drains. My other tractor equipment is older and, considering its longer use, still operates with a comparable efficiency. I attribute this record to the use of Nth motor oil, Conoco fuels and greases. I particularly like Nth motor oil because . . . I use less oil and need less repairs than if I were using other oil. I like Conoco pressure lubricant, too, because it has more lasting power than any other grease I have used."

In the picture above, Mr. Perry drives out for a day's work with one of his three tractors.

FRESH SPINACH TIMBALES!

Serves 8 or 10

1 peck of fresh spinach. Cook until tender, about 15 minutes. Drain, add salt, and chop coarsely. *Add . . .*

2 tablespoons of melted butter
1-½ cups crushed crackers
1 small onion shredded
2 tablespoons vinegar
2 eggs, well-beaten

Mix well and put in ring mold. Set in hot water in oven and bake until firm (about 35 minutes). Remove from ring. Fill center with any vegetable or serve with cheese sauce.

Your recipes are worth money! Send your favorites to: *Mrs. Annie Lee Wheeler, Conoco Cafeteria, Ponca City, Oklahoma.* Get $5.00 for each one printed here!

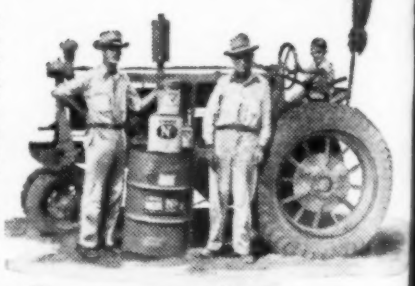
FARM KITCHEN $5.00 for your favorite recipe!

12-Year Average Repair Cost...$14.58!

THERE'S a real record for other farmers to shoot at! It was set by C. D. Pennington on his 300-acre farm near Haskell, Texas, with a 1934 Farmall F-20 tractor using Conoco products exclusively! Mr. Pennington, seen at right with Conoco Agent Nonnie Phy of Stamford, Texas, writes about his record-breaking Farmall:

"Until last year this tractor has worked three hundred acres of land, at which time I took on an additional one hundred acres and bought another Farmall starting it out on Conoco Nth motor oil . . .

"Any oil that will keep my repairs on one tractor down to an average of $14.58 for twelve years running is good enough for me."



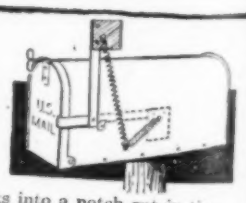
CONOCO

YOUR CONOCO AGENT

The Grease Veteran Says:

"HAD an interesting talk with a man I met through our County Agent last week. Called himself a "farm engineer." Not an "*agricultural*" engineer," mind, but just plain "*farm.*" And I wasn't surprised to learn that he had some pretty darned good ideas. Said one thing I've kept in mind to pass on. Said he'd figured out that most a third of all a machine farmer's expense is his machinery! He broke that down into about half depreciation and half maintenance! Looks to me like a prime argument for *good* maintenance! And that means *good lubrication* . . . the kind that *prevents* breakdowns, *avoids* repairs, *slows up* depreciation, and gives the farmer a chance to *make* money on his machines instead of *losing* it!"

Self-Lowering Flag for Mail Box!



L. W. Banta reports his rural mail carrier out Cottonwood, Texas, way is enthusiastic over the gadget he worked out to lower a flag when letters are placed in the box. The lever arm on the flag hooks into a notch cut in the door, and a spring pulls the flag down as the door is opened.

From Great Falls, Montana, comes Warren Venetz's sketch for a practically unbreakable drag-saw handle, made from a discarded horseshoe with cleats filed off.

DOLLARS FOR IDEAS!

Ideas are worth money. Send your original ideas to *The Tank Truck* in care of this paper—and get $5.00 for every one that's printed!